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ABSTRACT

Follow-up data on 1984-1985 graduates of 15 Michigan public and private institutions are reported for the bachelor's, master's, and doctoral levels. For each field of study, data are provided on the number of degrees conferred by public and private institutions. The survey data are compared with data from the Michigan Department of Education. For each of degree level and field of study, data are provided on the percent that are: employed full-time, employed in Michigan, employed in other states, unemployed, and in graduate school. Additional tables cover: average monthly and yearly starting salary for graduates by degree and field of study. It was found that the percentage of graduates in full-time employment and graduate school varied widely across and within major curriculum areas. Engineering, computer science, health services, and special education majors were among the areas where the highest percentage of graduates found full-time employment. Bachelors's graduates from specialized fields such as veterinary medicine, audiology, physiology, and biochemistry were more likely to continue their education in graduate school. Technical, health services, and profession (e.g., law) areas commanded the highest starting salaries. (SW)

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FOREWARD

This report contains aggregate follow-up data on 1984-85 graduates of Michigan public and independent institutions. For the first time, follow-up data have been collected for bachelor's, master's and doctoral degrees. Graduates from the participating institutions account for approximately 62% of the degrees conferred in 1984-85. Particular attention has been given to validating the information provided to the Institute. Any special circumstances surrounding its utilization have been explicitly noted in the summary.

This report represents the second follow-up report prepared by the Institute. The support and encouragement of numerous placement directors and their staffs have been deeply appreciated. Their continued participation is needed for the uninterrupted success of these follow-up reports. To Michigan institutions that have not participated in the past, we ask them to join us for the next follow-up report in the Winter of 1987.

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SUMMARY

The results in this report are based upon data received from fifteen public and independent 4-year colleges and universities in Michigan. These institutions account for approximately 64% of the bachelor's and 55% of the master's degrees conferred by Michigan higher education institutions, based on statistics provided by the Michigan Department of Education.

For doctoral degrees, there are several major discrepencies, particularly in education and health sciences, between statistics reported for degrees conferred by the State of Michigan and graduates reported by participating institutions. In the case of health sciences, the State apparently placed medical degree recipients in a separate classification. When the education and health sciences curriculums are not considered, the reporting institutions account for 50% of the doctoral degrees conferred.

Discrepencies with State figures were also experienced in four other curriculum areas (renewable natural resources, marketing and distribution, law, and precision and production) at the bachelor's level and two areas (marketing and distribution and interdisciplinary studies) at the master's level. These differences were attributed to variations in classifying graduates by different administrative units; one which reports to the State and another participating in this study.

Tables 1, 6, and 10 compare the State reported degrees conferred with graduates reported by participating institutions for bachelor's, master's and doctoral degrees, respectively. A comparison is also made between degrees conferred and graduates responding to their institution's follow-up study. Respondents represent 45% and 34% of the total bachelor's and master's degrees conferred, respectively. The follow-up response rates are a very respectable 69%, 61%, and 49% for bachelor's, master's and doctoral degree levels, respectively.

Initial destination of graduates is presented in Tables 2, 7, and 11 for bachelor's, master's and doctoral levels, respectively. Three categories have been utilized: full-time employment, graduate school, and unemployed. If these three columns do not total 100% (consider rounding error), the remaining graduates have been placed in an "other" category which does not appear in the tables. The "other" group consists of foreign students who return to their home countries, individuals who are unemployed but not seeking work, and persons who are working part-time, for example.

The percentage of graduates in full-time employment and graduate school varies widely across and within major curriculum areas. Engineering, computer science, health services, and special education majors are among the areas where the highest percentage of graduates found full-time employment. Bachelor's graduates from specialized fields such as veterinary medicine, audiology, physiology, and biochemistry, are more likely to continue their education in graduate school.

The job location for full-time employed graduates is also provided in Tables 2, 7, and 11. A distinction has been made between those working in Michigan and those working in other states. There appears to be some variation within and between curriculum areas. When the two columns marked "Employed in Michigan" and "Employed in other states" do not total 100%, the residual percentage reflects individuals whose job location was not known by their respective institutions.

Yearly average starting salary, as reported in Tables 3, 8, and 12, is found to range from $6,000 to $37,000, $6,000 to $40,000, and approximately $15,000 to $40,000 for bachelor's, master's and doctoral graduates, respectively. Technical, health services, and professional (e.g. law) areas command the highest starting salaries. Low starting salaries may reflect poor job markets, but in several cases, consideration needs to be given to graduates involved in internships and training programs before gaining full-time employment status. There are several discrepancies, such as financial administration at the doctoral level, that cannot be accounted for based on the data provided. Salary figures have not been adjusted for less that full-time employment, start-up time for private consulting practices, or short-term training programs.

In Tables 4 and 9 the curriculum areas have been sorted by full-time employment from highest (100%) to lowest (0%) for curriculum areas with five or more respondents. Within similar percentage groups, the curriculum areas have been listed from the lowest to highest percent in graduate school. These tables provide a quick reference for placement rates by curriculum area.

An often asked question is how many graduates remain in Michigan to work, especially at the bachelor's level. As a quick reference, Table 5 lists, for bachelor's degree recipients only, curriculum areas by the percentage employed in Michigan from highest (100%) to lowest (0%).

The figures presented in this report serve as useful references in discussions on the placement of college graduates. Absolute inferences should not be drawn from these results. Several data limitations exist that need to be taken into account in any interpretation. The graduates not accounted for, approximately 40% in this study, could influence results for particular curriculum areas, particularly average salary. Several of the majors have very few individuals responding, less than five, which can lead to skewed results. Circumstances that may explain why some salaries are lower than expected are not known, especially conditions of training programs, additional benefit packages, and type of job. It is important when using this report that the reader carefully compare results for the curriculum area of interest in each table; for instance, compare numbers responding with numbers reporting salary before drawing any conclusions.

Table 1.
Bachelor's Degrees Conferred Compared to Graduates Reported and Responding by Participating Institutions for Major Curriculum Areas 1984-85

CIP	Curriculum Area	Degrees Conferred Public	Degrees Conferred Private	Total * Conferred	Number ** of Grads Reported	Percent of Total	Number of Grads Responding	Percent of Total	Percent of Reported
1	Agribusiness	333	0	333	154	46%	108	32%	70%
2	Agricultural Sciences	182	0	182	162	89%	118	65%	73%
3	Renewable Nat Resources	169	6	175	330	189%	247	141%	75%
4	Architechture	115	143	258	116	45%	85	33%	73%
5	Area & Ethnic Studies	19	1	20	5	25%	4	20%	80%
6	Business & Management	5794	2192	7,986	4,576	57%	3,468	43%	76%
7	Business & Office	152	298	450	112	25%	83	18%	74%
8	Marketing & Distribution	267	11	278	712	256%	525	189%	74%
9	Communications	1674	92	1,766	1,466	83%	886	50%	60%
10	Communications Technology	123	2	125	75	60%	45	36%	60%
11	Computer Sciences	1188	151	1,339	891	67%	651	49%	73%
13	Education	1656	291	1,947	1,682	86%	1,283	66%	76%
14	Engineering	2192	953	3,145	1,960	62%	1,438	46%	73%
15	Engineering Related Tech.	664	83	747	421	56%	286	38%	68%
16	Foreign Languages	170	70	240	160	67%	109	45%	68%
17	Allied Health	802	153	955	498	52%	349	37%	70%
18	Health Sciences	1279	522	1,801	997	55%	696	39%	70%
19	Home Economics	608	84	692	262	38%	195	28%	74%
20	Voc. Home Economics	60	39	99	89	90%	38	38%	43%
21	Industrial Arts	0	0	0	43		27		63%
22	Law	34	19	53	123	232%	86	162%	70%
23	Letters	615	192	807	477	59%	307	38%	64%
24	Liberal Studies	264	50	314	150	48%	49	16%	33%
25	Library Sciences	14	0	14	11	79%	10	71%	91%
26	Life Sciences	846	298	1,144	646	56%	392	34%	61%
27	Mathematics	226	111	337	210	62%	162	48%	77%
30	Interdisciplinary Studies	223	33	256	233	91%	159	62%	68%
31	Parks and Recreation	164	4	168	86	51%	60	36%	70%
34	Health Related Activities	0	0	0	118		118		100%
38	Philosophy & Religion	27	80	107	24	22%	13	12%	54%
39	Theology	0	85	85	0	0%	0	0%	0%
40	Physical Sciences	501	137	638	386	61%	258	40%	67%
41	Science Technologies	31	0	31	5	16%	5	16%	100%
42	Psychology	941	189	1,130	637	56%	356	32%	56%
43	Protective Services	585	41	626	539	86%	344	55%	64%
44	Public Affairs	507	90	597	417	70%	263	44%	63%
45	Social Sciences	1606	435	2,041	1,061	52%	649	32%	61%
46	Construction Trades	0	1	1	0	0%	0	0%	0%
47	Mechanics & Repairers	0	1	1	0	0%	0	0%	0%
48	Precision & Production	0	6	6	49	817%	49	817%	100%
50	Visual & Performing Arts	729	338	1,067	649	61%	345	32%	53%
	TOTAL	24,760	7,201	31,961	20,532	64%	14,266	45%	69%

* Data From Michigan Department of Education

** Data From Institutions Responding to This Survey

Table 2.
Placement Results for 1984 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas*

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
	Agricultural Studies						
1.0100	Agribusiness	2	100%	50%	50%	0%	0%
1.0103	Agricultural Economics	60	85%	80%	20%	8%	7%
1.0601	Horticulture	38	79%	93%	7%	16%	5%
1.9900	Agriculture other	8	88%	86%	14%	13%	0%
2.0201	Animal Science	38	61%	91%	9%	5%	34%
2.0206	Dairy Science	5	100%	100%	0%	0%	0%
2.0301	Food Science	51	90%	70%	30%	6%	2%
2.0501	Crop & Soil Science	24	71%	100%	0%	17%	13%
3.0101	Resource Development	13	54%	100%	0%	23%	23%
3.0202	Conservation	16	56%	0%	0%	31%	13%
3.0499	Forestry Production Other	146	79%	80%	20%	16%	4%
3.0501	Forestry	41	29%	75%	25%	39%	32%
3.0601	Fish & Wildlife Educ.	31	52%	81%	19%	3%	45%
	Architecture & Environmental Design						
4.0301	Land Use Analysis	1	0%	0%	0%	0%	100%
4.0401	Environmental Design	1	0%	0%	0%	0%	100%
4.0500	Interior Design	46	91%	83%	17%	6%	3%
4.0601	Landscape Architecture	29	83%	88%	13%	10%	7%
4.0701	Urban Design	8	63%	80%	20%	13%	25%
	Area & Ethnic Studies						
5.0102	American Studies	3	33%	100%	0%	33%	33%
5.0199	Area Studies Teaching	1	0%	0%	0%	0%	100%
	Business						
6.0100	Business	310	81%	73%	27%	11%	5%
6.0200	Accounting	916	86%	84%	14%	10%	3%
6.0300	Finance	389	78%	83%	15%	13%	5%
6.0400	Business Admin.	666	78%	83%	13%	14%	5%
6.0402	Mat & Log Mgt Purch	121	93%	86%	12%	6%	1%
6.0501	Business Economics	5	60%	100%	0%	20%	0%
6.0601	Personnel Human Rels	38	74%	71%	29%	13%	13%
6.0700	Institutional Mgmt.	28	96%	52%	48%	4%	0%
6.0701	Htl Rest & Inst Mgt	112	93%	37%	63%	6%	1%
6.0705	Transportation Mgt	14	93%	100%	0%	7%	0%

*"Other" catagory which includes foreign students returning home part-time employment, and unemployed not seeking work accounts for the remaining percentage after accounting for employed full-time, unemployed and graduate school. Several schools did not know where their graduates were working which accounts for the missing percentage with regards to employed in Michigan and in other states.

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
6.0800	Risk & Insurance Mgt	10	80%	100%	0%	10%	10%
6.1101	Personnel Mgmt.	11	55%	83%	17%	18%	0%
6.1200	Mgt. Info. Systems	139	85%	91%	9%	14%	1%
6.1301	Business Statistics	28	32%	67%	33%	39%	29%
6.1302	Mat & Log Mgt Opers	75	91%	85%	15%	8%	1%
6.1400	Marketing Mgt.	513	83%	78%	19%	11%	1%
6.1501	Organizational Behav	29	100%	93%	7%	0%	0%
6.1600	Personnel Mgt.	34	76%	77%	23%	15%	9%
6.1700	Real Estate	8	63%	80%	20%	25%	0%
6.2000	Industrial Sup/Mgt.	22	95%	86%	14%	5%	0%
7.0400	Office Administration	55	89%	63%	8%	4%	5%
7.0600	Secretarial Program	16	100%	88%	13%	0%	0%
7.0603	Executive Secretarial	2	100%	100%	0%	0%	0%
7.0604	Legal Assistant	4	75%	67%	33%	25%	0%
7.0608	Word Processing Admin.	2	100%	100%	0%	0%	0%
7.9900	Records Mgmt.	4	50%	100%	0%	50%	0%
8.0100	Apparel Marketing	26	92%	83%	17%	4%	0%
8.0102	Fashion Merchandising	11	73%	75%	25%	27%	0%
8.0201	Business Marketing	158	78%	82%	18%	15%	6%
8.0700	General Marketing	192	85%	74%	26%	11%	2%
8.0900	Hospitality Marketing	116	97%	48%	52%	3%	0%
8.1100	Tourism & Travel Mkt.	7	100%	71%	29%	0%	0%
8.1104	Travel & Tourism Mgt.	5	80%	25%	75%	20%	0%
8.1200	Petroleum Distribution	10	80%	63%	38%	10%	0%
	Communications						
9.0100	Communications General	270	71%	74%	26%	15%	12%
9.0200	Advertising	261	72%	80%	20%	22%	5%
9.0400	Journalism	120	77%	83%	17%	18%	3%
9.0500	Public Relations	21	76%	69%	31%	10%	5%
9.0700	Radio/TV General	46	80%	89%	11%	17%	2%
9.0701	Telecommunications	168	68%	90%	6%	23%	7%
10.0100	Communication Tech.	20	80%	81%	19%	15%	5%
10.0104	Radio & TV Prod	25	80%	60%	40%	8%	0%
	Computer & Information Sciences						
11.0100	Computer Science	477	82%	75%	24%	16%	2%
11.0201	Computer Programming	3	67%	100%	0%	33%	0%
11.0301	Data Processing	47	79%	54%	3%	9%	0%
11.0400	Information Sciences	53	91%	77%	23%	8%	0%
11.0401	Business Computers	69	93%	83%	17%	6%	1%
11.0501	Systems Analysis	2	100%	100%	0%	0%	0%

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
	Education						
13.1001	Special Education	53	83%	93%	7%	4%	6%
13.1003	Hearing Impaired	11	64%	71%	29%	9%	9%
13.1005	Spec Ed. Emot. Dist.	96	86%	82%	18%	5%	0%
13.1006	Mentally Impaired	107	81%	87%	13%	9%	0%
13.1008	Physically Impaired	18	78%	57%	43%	0%	6%
13.1009	Visually Impaired	17	53%	22%	78%	12%	12%
13.1012	Communication Dis.	32	41%	46%	23%	6%	53%
13.1101	Guidance & Counseling	8	75%	83%	17%	13%	0%
13.1200	Education	12	100%	75%	25%	0%	0%
13.1202	Elementary Ed.	404	72%	78%	22%	20%	2%
13.1204	Pre-Elementary Ed.	7	86%	100%	0%	0%	14%
13.1205	Secondary Education	53	75%	60%	40%	15%	9%
13.1300	Teacher Education	57	79%	91%	9%	14%	2%
13.1301	Agricultural Ed.	3	67%	100%	0%	33%	0%
13.1302	Art Education	4	50%	100%	0%	0%	0%
13.1303	Office Education	20	75%	87%	7%	15%	0%
13.1305	English Education	18	61%	100%	0%	11%	6%
13.1306	Spanish Teaching	1	100%	100%	0%	0%	0%
13.1307	Health Education	11	45%	60%	20%	36%	18%
13.1308	Home Economics	13	69%	78%	0%	8%	15%
13.1309	Industrial Education	34	68%	57%	9%	24%	3%
13.1310	Distributive Ed.	5	100%	100%	0%	0%	0%
13.1311	Mathematics Education	8	63%	80%	20%	13%	0%
13.1312	Music Education	68	65%	93%	7%	13%	13%
13.1314	Physical Education	132	50%	70%	26%	23%	9%
13.1316	Science Education	6	100%	67%	33%	0%	0%
13.1317	Social Science Ed.	39	74%	86%	14%	5%	3%
13.1318	Social Studies Ed.	2	50%	100%	0%	0%	0%
13.1319	Technical Education	1	100%	100%	0%	0%	0%
13.1320	Trade & Industrial Ed.	1	100%	100%	0%	0%	0%
13.1399	Library Science Ed.	6	83%	80%	20%	0%	0%
13.9999	Education Other	36	83%	0%	0%	14%	3%
	Engineering						
14.0101	Engineering Arts	61	92%	88%	13%	3%	5%
14.0200	Aircraft Engineering	12	67%	38%	63%	17%	17%
14.0301	Agricultural Engr.	20	45%	100%	0%	10%	45%
14.0500	Bioengineering	1	100%	0%	100%	0%	0%
14.0701	Chemical Engr.	145	70%	84%	16%	16%	12%
14.0801	Civil Engineering	117	68%	71%	29%	16%	15%
14.0900	Computer Systems Engr.	117	87%	81%	19%	3%	9%
14.1000	Electrical Engineering	399	83%	78%	22%	3%	11%
14.1101	Mechanics Engr.	4	75%	100%	0%	0%	25%

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
14.1400	Environmental Engr.	1	100%	100%	0%	0%	0%
14.1501	Geological Engr.	18	39%	29%	71%	39%	22%
14.1700	Manufacturing	30	93%	93%	7%	3%	3%
14.1701	Industrial Engr.	8	100%	100%	0%	0%	0%
14.1801	Materials Engr.	13	77%	100%	0%	0%	23%
14.1900	Mechanical Engr.	407	84%	78%	22%	6%	12%
14.2000	Metallurgical Engr.	53	70%	57%	43%	17%	9%
14.2101	Mining Engineering	6	33%	50%	50%	67%	0%
14.2701	Systems Science	6	100%	67%	33%	0%	0%
14.9900	Engineering Other	20	75%	40%	60%	15%	10%
15.0101	Construction Tech.	6	83%	60%	40%	0%	0%
15.0200	Civil Technologies	39	92%	75%	25%	0%	8%
15.0399	Electrical Tech.	2	50%	100%	0%	50%	0%
15.0403	Electromechanical Tech.	20	95%	100%	0%	0%	0%
15.0503	Energy Management Tech.	3	100%	67%	33%	0%	0%
15.0603	Computer Aided Manufacturi	9	89%	75%	25%	11%	0%
15.0604	Manufacturing Tech.	7	71%	80%	20%	29%	0%
15.0607	Plastic Technology	62	95%	80%	20%	5%	0%
15.0699	Polymers & Coating	11	91%	70%	30%	9%	0%
15.0801	Aeronautical Tech.	1	100%	0%	100%	0%	0%
15.0803	Automotive Tech.	99	94%	66%	34%	4%	0%
15.0805	Computer Aided Design	25	88%	91%	9%	8%	0%
15.0899	Mech Engr Tech.	2	50%	100%	0%	0%	0%
	Foreign Languages						
16.0100	Foreign Language	6	83%	60%	40%	0%	17%
16.0301	Chinese	1	0%	0%	0%	0%	100%
16.0501	German	13	54%	71%	29%	15%	23%
16.0900	French	42	67%	75%	21%	10%	17%
16.0905	Spanish	21	71%	73%	20%	5%	19%
16.9999	Language and Int. Trade	26	54%	86%	14%	19%	27%
	Health Sciences						
17.0208	Nuclear Medical Tech.	12	58%	57%	43%	33%	8%
17.0300	Medical Lab. Tech.	24	96%	78%	22%	4%	0%
17.0301	Blood Bank Tech.	2	50%	0%	0%	50%	0%
17.0310	Medical Technology	150	72%	89%	11%	13%	16%
17.0507	Physicians Assistants	17	76%	92%	8%	24%	0%
17.0806	Music Therapy	63	87%	45%	55%	8%	0%
17.0807	Occupational Therapy	52	81%	48%	52%	13%	2%
17.0813	Physical Therapy	8	88%	100%	0%	0%	0%
17.0816	Therapeutic Recreation	3	67%	50%	50%	0%	0%
17.0821	Comm. Disorders Ed.	4	25%	0%	100%	25%	50%
17.9900	Public Health	14	64%	67%	33%	29%	7%

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
18.0100	Speech Pathology & Aud.	13	0%	0%	0%	23%	77%
18.0199	Audiology & Speech	41	20%	100%	0%	5%	76%
18.0700	Health Sciences	70	76%	91%	9%	10%	13%
18.0701	Health Administration	20	80%	81%	19%	10%	5%
18.0901	Medical Laboratory	13	62%	75%	25%	15%	23%
18.1001	Human Medicine	2	0%	0%	0%	0%	100%
18.1003	Anesthesiology	8	100%	100%	0%	0%	0%
18.1008	Gerontology	1	0%	0%	0%	100%	0%
18.1100	Nursing	318	84%	68%	8%	3%	6%
18.1104	Medical Surgical Nurse	81	83%	100%	0%	0%	0%
18.1301	Osteopathic Medicine	2	0%	0%	0%	0%	100%
18.1400	Pharmacy	101	96%	93%	7%	1%	1%
18.2401	Veterinary Medicine	20	5%	100%	0%	0%	95%
18.9900	Sports Medicine	6	67%	0%	100%	33%	0%
	Home Economics						
19.0100	Home Economics Gen.	6	67%	75%	25%	33%	0%
19.0301	Family Comm. Services	19	74%	79%	21%	11%	16%
19.0400	Consumer Resources	6	83%	80%	20%	17%	0%
19.0500	Foods/Nut.	39	79%	61%	39%	13%	8%
19.0503	Dietietics	75	65%	51%	43%	12%	17%
19.0601	Human Envir & Design	20	70%	86%	14%	25%	0%
19.0700	Ind. & Family Develop.	6	67%	100%	0%	0%	0%
19.0900	Textiles and Clothing	24	79%	84%	16%	13%	8%
20.0102	Child Development	24	88%	95%	5%	4%	8%
20.0104	Consumer Education	14	71%	90%	10%	14%	0%
	Industrial Arts						
21.0102	Bldg Construction Mgt	25	92%	96%	4%	4%	4%
21.0103	Ind. Ed. Drafting	2	100%	50%	50%	0%	0%
	Law						
22.0101	English Language & Lit.	1	0%	0%	0%	0%	0%
22.0102	Administration & Super.	85	32%	81%	19%	5%	64%
	Letters						
23.0100	English	214	57%	72%	19%	15%	21%
23.0401	Written Communications	15	67%	80%	20%	20%	7%
23.0600	Linguistics	3	0%	0%	0%	33%	67%
23.0801	English Literature	7	71%	80%	20%	0%	29%
23.1000	Speech, Debate, Forensics	68	84%	56%	12%	12%	4%

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
	Liberal Studies						
24.0100	Liberal/Gen. Studies	30	53%	81%	19%	23%	10%
24.0199	Humanistic Studies	19	79%	100%	0%	11%	0%
	Library & Archival Sciences						
25.0100	Librarianship	4	75%	33%	67%	25%	0%
25.0401	Library Science	6	50%	100%	0%	17%	17%
	Life Sciences						
26.0100	Biology	220	55%	73%	18%	13%	30%
26.0201	Biochemistry	44	45%	70%	0%	0%	52%
26.0301	Botany	3	33%	100%	0%	33%	33%
26.0501	Microbiology	37	62%	87%	13%	11%	27%
26.0603	Environmental Studies	2	0%	0%	0%	50%	50%
26.0701	Zoology	14	29%	100%	0%	14%	57%
26.0702	Entomology	3	33%	100%	0%	0%	67%
26.0706	Physiology	66	20%	85%	15%	2%	76%
26.9999	Ecosystems Biology	3	100%	100%	0%	0%	0%
	Mathematics						
27.0101	Mathematics	150	65%	70%	30%	13%	18%
27.0300	Applied Math	9	67%	83%	17%	11%	22%
27.0500	Statistics	3	33%	100%	0%	33%	33%
	Multi/Interdisciplinary Studies						
30.0100	Biological Sciences	29	48%	71%	29%	14%	31%
30.0101	Earth Science	5	60%	100%	0%	20%	20%
30.0401	Humanities & Soc Sci	124	52%	81%	19%	10%	38%
30.9999	Business Chemistry	1	100%	100%	0%	0%	0%
	Parks and Recreation						
31.0100	Recreation	34	79%	74%	26%	18%	3%
31.0300	Recreation Mgmt.	19	68%	69%	8%	21%	5%
31.9900	Therapeutic Rec.	7	100%	71%	29%	0%	0%
	Personal and Social Development						
34.0100	Health Studies	77	84%	83%	17%	3%	6%

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
	Philosophy & Religion						
38.0101	Philosophy	6	33%	50%	0%	17%	17%
38.0200	Religion	1	100%	100%	0%	0%	0%
38.0201	Religious Studies	6	50%	100%	0%	0%	50%
	Physical Sciences						
40.0100	Physical Science	53	45%	79%	21%	4%	53%
40.0500	Chemistry	97	58%	68%	32%	14%	30%
40.0599	Metallurgical Chem.	1	0%	0%	0%	0%	0%
40.0600	Geology	48	67%	63%	38%	6%	15%
40.0703	Earth Science	18	67%	67%	33%	17%	11%
40.0800	Physics	41	41%	59%	29%	10%	41%
41.0305	Water Science	3	33%	100%	0%	67%	0%
	Psychology						
42.0100	Psychology	288	47%	84%	16%	15%	35%
42.0200	Clinical Psychology	35	60%	90%	10%	20%	20%
42.0401	Community Psychology	25	44%	100%	0%	12%	44%
42.1601	Social Work	8	63%	60%	40%	0%	38%
	Public Affairs & Protective Services						
43.0100	Criminal Justice	202	74%	81%	19%	10%	14%
43.0102	Corrections	9	56%	0%	0%	33%	11%
43.0103	Crim. Just. Studies	72	86%	82%	18%	13%	0%
43.0105	Criminalistics	11	55%	100%	0%	27%	18%
43.0107	Law Enforcement	28	61%	0%	0%	36%	4%
43.0109	Security Services	7	57%	0%	0%	43%	0%
43.0199	Crim Just Other	15	67%	80%	20%	20%	13%
44.0101	Public Affairs	18	72%	92%	8%	17%	11%
44.0401	Public Administration	36	53%	84%	16%	25%	14%
44.0700	Social Work	209	56%	73%	12%	15%	23%
	Social Sciences						
45.0100	Social Science	198	68%	74%	23%	11%	18%
45.0200	Anthropology	16	50%	75%	25%	25%	19%
45.0401	Criminology	34	68%	91%	9%	9%	15%
45.0600	Economics	70	54%	63%	18%	16%	27%
45.0700	Geography	45	47%	48%	38%	22%	24%
45.0800	History	123	50%	63%	23%	20%	28%
45.0900	International Business	6	50%	67%	33%	17%	33%
45.1000	Political Science	99	64%	63%	25%	13%	20%

CIP Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed other states	Percent Unemployed	Percent in Graduate School
45.1100	Sociology	58	62%	83%	17%	19%	10%
	Graphic and Printing Communications						
48.0200	Printing Mgt.	43	93%	55%	45%	5%	0%
	Crafts						
50.0206	Metal Crafts Design	1	0%	0%	0%	100%	0%
	Dance						
50.0300	Dance	4	100%	75%	25%	0%	0%
	Design						
50.0402	Graphic Design	5	20%	0%	0%	80%	0%
50.0403	Illustration Design	6	67%	0%	0%	33%	0%
50.0404	Industrial Design	32	72%	61%	39%	25%	0%
50.0499	Furniture Design	1	0%	0%	0%	0%	100%
	Dramatic Arts						
50.0500	Theatre	45	51%	87%	13%	7%	33%
	Fine Arts						
50.0602	Filmmaking	1	100%	0%	0%	0%	0%
50.0605	Photography	3	100%	33%	0%	0%	0%
50.0700	Art	149	66%	92%	8%	17%	10%
50.0703	Art History	31	68%	71%	29%	10%	6%
50.0705	Drawing	2	50%	0%	100%	50%	0%
50.0706	Painting	1	100%	0%	0%	0%	0%
50.0800	Graphic Arts Tech.	5	80%	0%	50%	20%	0%
50.0900	Music	35	54%	47%	11%	9%	26%
50.0902	Music Literature	1	100%	100%	0%	0%	0%
50.0903	Applied Music	22	45%	90%	10%	9%	45%
50.0904	Music Theory	1	0%	0%	0%	0%	100%

Table 3.
Average Starting Salary for 1984-85 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas

CIP Number	Curriculum Area	Number Reporting Salary	Average Monthly Starting Salary	Average Yearly Starting Salary
	Agricultural Studies			
1.0103	Agricultural Economics	41	$1,422	$17,064
1.0601	Horticulture	15	$1,224	$14,688
1.9900	Agriculture other	1	$1,850	$22,200
2.0201	Animal Science	10	$1,349	$16,188
2.0206	Dairy Science	1	$1,700	$20,400
2.0301	Food Science	35	$1,825	$21,905
2.0501	Crop & Soil Science	11	$1,261	$15,132
3.0101	Resource Development	3	$1,889	$22,668
3.0202	Conservation	7	$765	$9,185
3.0499	Packaging	99	$1,987	$23,844
3.0501	Forestry	2	$1,230	$14,760
3.0601	Fish & Wildlife Educ.	4	$1,490	$17,880
	Architecture & Environmental Design			
4.0500	Interior Design	21	$1,206	$14,470
4.0601	Landscape Architecture	14	$1,326	$15,912
4.0701	Urban Design	1	$1,333	$15,996
	Business			
6.0100	Business	97	$1,630	$19,566
6.0200	Accounting	504	$1,518	$18,212
6.0300	Finance	184	$1,584	$19,004
6.0400	Business Admin.	284	$1,545	$18,545
6.0402	Mat & Log Mgt Purch	99	$1,804	$21,648
6.0501	Business Economics	1	$1,667	$20,000
6.0601	Personnel Human Rels	17	$1,533	$18,396
6.0700	Institutional Mgmt.	17	$1,529	$18,343
6.0701	Htl Rest & Inst Mgt	98	$1,424	$17,088
6.0705	Transportation Mgt	13	$1,964	$23,568
6.0800	Risk & Insurance Mgt	5	$1,384	$16,608
6.1101	Personnel Mgmt.	1	$1,833	$21,996
6.1200	Mgt. Info. Systems	36	$1,736	$20,830
6.1301	Business Statistics	0	$1,888	$22,656
6.1302	Mat & Log Mgt Opers	59	$1,856	$22,272
6.1400	Marketing Mgt.	233	$1,514	$18,162
6.1501	Organizational Behav	11	$2,128	$25,536
6.1600	Personnel Mgt.	5	$1,257	$15,080
6.1700	Real Estate	3	$1,778	$21,333

CIP Number	Curriculum Area	Number Reporting Salary	Average Monthly Starting Salary	Average Yearly Starting Salary
7.0400	Office Administration	24	$1,358	$16,292
7.0600	Secretarial Program	4	$1,375	$16,500
7.0603	Executive Secretarial	2	$1,146	$13,750
7.0604	Legal Assistant	3	$958	$11,500
7.0608	Word Processing Admin.	2	$1,343	$16,110
8.0100	Apparel Marketing	19	$1,083	$12,996
8.0102	Fashion Merchandising	6	$1,028	$12,333
8.0201	Business Marketing	112	$1,637	$19,644
8.0700	General Marketing	97	$1,459	$17,513
8.0900	Hospitality Marketing	37	$1,142	$13,708
8.1100	Tourism & Travel Mkt.	7	$850	$10,200
8.1104	Travel & Tourism Mgt.	4	$1,394	$16,728
8.1200	Petroleum Distribution	6	$1,333	$15,996
	Communications			
9.0100	Communications General	121	$1,354	$16,242
9.0200	Advertising	129	$1,423	$17,074
9.0400	Journalism	39	$1,401	$16,812
9.0500	Public Relations	15	$1,250	$15,000
9.0701	Telecommunications	64	$1,427	$17,124
10.0100	Communication Tech.	9	$1,414	$16,968
10.0104	Radio & TV Prod	18	$1,160	$13,914
	Computer & Information Sciences			
11.0100	Computer Science	169	$1,968	$23,612
11.0301	Data Processing	14	$1,551	$18,611
11.0400	Information Sciences	34	$1,625	$19,500
11.0401	Business Computers	50	$1,650	$19,805
11.0501	Systems Analysis	1	$1,521	$18,250
	Education			
13.1001	Special Education	25	$1,343	$16,116
13.1003	Hearing Impaired	7	$1,080	$12,966
13.1005	Spec Ed. Emot. Dist.	33	$1,303	$15,639
13.1006	Mentally Impaired	40	$1,411	$16,932
13.1008	Physically Impaired	14	$1,060	$12,721
13.1009	Visually Impaired	6	$1,133	$13,600
13.1012	Communication Dis.	7	$1,349	$16,186
13.1101	Guidance & Counseling	4	$1,838	$22,056
13.1200	Education	7	$1,277	$15,324
13.1202	Elementary Ed.	105	$1,309	$15,708
13.1204	Pre-Elementary Ed.	5	$872	$10,465
13.1205	Secondary Education	23	$1,262	$15,146
13.1300	Teacher Education	14	$1,568	$18,819

CIP Number	Curriculum Area	Number Reporting Salary	Average Monthly Starting Salary	Average Yearly Starting Salary
13.1301	Agricultural Ed.	2	$1,273	$15,276
13.1302	Art Education	1	$1,250	$15,000
13.1303	Office Education	5	$1,175	$14,100
13.1305	English Education	10	$1,153	$13,836
13.1306	Spanish Teaching	1	$1,167	$14,000
13.1307	Health Education	1	$1,667	$20,000
13.1308	Home Economics	7	$1,134	$13,603
13.1309	Industrial Education	11	$1,600	$19,200
13.1310	Distributive Ed.	1	$1,208	$14,500
13.1311	Mathematics Education	4	$1,378	$16,540
13.1312	Music Education	22	$1,327	$15,925
13.1314	Physical Education	25	$1,334	$16,008
13.1316	Science Education	4	$1,371	$16,450
13.1317	Social Science Ed.	22	$1,248	$14,981
13.1318	Social Studies Ed.	1	$1,417	$17,004
13.1319	Technical Education	1	$1,442	$17,304
13.1399	Library Science Ed.	2	$1,146	$13,750
13.9999	Education Other	14	$1,320	$15,844
	Engineering			
14.0101	Engineering Arts	39	$2,112	$25,344
14.0200	Aircraft Engineering	7	$2,500	$30,000
14.0301	Agricultural Engr.	6	$2,107	$25,280
14.0701	Chemical Engr.	58	$2,336	$28,032
14:0801	Civil Engineering	32	$1,924	$23,088
14.0900	Computer Systems Engr.	86	$2,250	$26,999
14.1000	Electrical Engineering	123	$2,385	$28,616
14.1101	Mechanics Engr.	2	$2,375	$28,500
14.1501	Geological Engr.	1	$2,471	$29,652
14.1700	Manufacturing	30	$2,041	$24,487
14.1701	Industrial Engr.	6	$2,303	$27,636
14.1801	Materials Engr.	10	$2,235	$26,820
14.1900	Mechanical Engr.	155	$2,309	$27,708
14.2000	Metallurgical Engr.	12	$2,227	$26,718
14.2101	Mining Engineering	1	$2,446	$29,352
14.2701	Systems Science	4	$2,157	$25,884
14.9900	Engineering Other	12	$2,263	$27,150
15.0101	Construction Tech.	5	$1,700	$20,400
15.0200	Civil Technologies	28	$1,737	$20,844
15.0403	Electromechanical Tech.	15	$2,700	$32,400
15.0503	Energy Management Tech.	3	$1,396	$16,752
15.0603	Computer Aided Manufacturing	7	$1,905	$22,857
15.0604	Manufacturing Tech.	4	$1,504	$18,050
15.0607	Plastic Technology	27	$2,069	$24,824
15.0699	Polymers & Coating	9	$1,912	$22,949
15.0803	Automotive Tech.	56	$1,812	$21,739

CIP Number	Curriculum Area	Number Reporting Salary	Average Monthly Starting Salary	Average Yearly Starting Salary
15.0805	Computer Aided Design	19	$2,066	$24,795
	Foreign Languages			
16.0100	Foreign Language	3	$1,350	$16,200
16.0501	German	4	$1,321	$15,852
16.0900	French	10	$1,399	$16,789
16.0905	Spanish	8	$1,238	$14,858
16.9999	Language and Int. Trade	6	$1,035	$12,419
	Health Sciences			
17.0208	Nuclear Medical Tech.	5	$1,750	$21,000
17.0300	Medical Lab. Tech.	8	$1,504	$18,042
17.0301	Blood Bank Tech.	1	$1,733	$20,800
17.0310	Medical Technology	18	$1,588	$19,056
17.0507	Physicians Assistants	10	$2,000	$24,000
17.0806	Music Therapy	48	$1,606	$19,270
17.0807	Occupational Therapy	32	$1,622	$19,464
17.0813	Physical Therapy	7	$2,018	$24,216
17.0816	Therapeutic Recreation	2	$1,146	$13,750
18.0199	Audiology & Sph Sci.	1	$1,167	$14,004
18.0700	Health Sciences	25	$1,485	$17,816
18.0701	Health Administration	12	$1,524	$18,292
18.0901	Medical Laboratory	9	$1,556	$18,667
18.1003	Anesthesiology	8	$3,052	$36,624
18.1100	Nursing	166	$1,729	$20,745
18.1104	Medical Surgical Nurse	34	$1,932	$23,184
18.1400	Pharmacy	41	$2,366	$28,392
	Home Economics			
19.0301	Family Comm. Services	8	$1,084	$13,008
19.0400	Consumer Resources	1	$2,167	$26,000
19.0500	Foods/Nut.	10	$1,309	$15,712
19.0503	Dietietics	17	$1,291	$15,495
19.0601	Human Envir & Design	12	$1,112	$13,349
19.0700	Ind. & Family Develop.	1	$750	$9,000
19.0900	Textiles and Clothing	1	$2,080	$24,960
20.0102	Child Development	13	$1,186	$14,232
20.0104	Consumer Education	6	$1,189	$14,268
	Industrial Arts			
21.0102	Bldg Construction Mgt	16	$1,888	$22,656
21.0103	Ind. Ed. Drafting	19	$1,842	$22,107

CIP Number	Curriculum Area	Number Reporting Salary	Average Monthly Starting Salary	Average Yearly Starting Salary
	Law			
22.0101	English Language & Lit.	1	$1,167	$14,000
22.0102	Administration & Supervision	18	$1,413	$16,958
	Letters			
23.0100	English	59	$1,100	$13,195
23.0401	Written Communications	9	$1,197	$14,367
23.0801	English Literature	6	$1,292	$15,500
23.1000	Speech, Debate, Forensics	13	$1,677	$20,123
	Liberal Studies			
24.0100	Liberal/Gen. Studies	7	$1,394	$16,728
24.0199	Humanistic Studies	5	$2,250	$27,000
	Library & Archival Sciences			
25.0401	Library Science	2	$1,083	$13,000
	Life Sciences			
26.0100	Biology	44	$1,348	$16,180
26.0201	Biochemistry	10	$1,641	$19,691
26.0501	Microbiology	12	$1,325	$15,904
26.0701	Zoology	3	$944	$11,328
26.0706	Physiology	10	$1,198	$14,378
26.9999	Ecosystems Biology	3	$1,205	$14,463
	Mathematics			
27.0101	Mathematics	47	$1,552	$18,622
27.0500	Statistics	1	$1,250	$15,000
	Multi/Interdisciplinary Studies			
30.0100	Biological Sciences	11	$901	$10,812
30.0401	Humanities & Soc Sci	37	$1,453	$17,439
	Parks and Recreation			
31.0100	Recreation	8	$1,287	$15,447
31.0300	Recreation Mgmt.	8	$1,213	$14,556

CIP Number	Curriculum Area	Number Reporting Salary	Average Monthly Starting Salary	Average Yearly Starting Salary
	Personal and Social Development			
34.0100	Health Studies	61	$1,917	$23,004
	Philosophy & Religion			
38.0201	Religious Studies	2	$1,292	$15,504
	Physical Sciences			
40.0100	Physical Science	10	$1,446	$17,354
40.0500	Chemistry	27	$1,824	$21,893
40.0600	Geology	21	$1,400	$16,795
40.0703	Earth Science	4	$1,333	$16,001
40.0800	Physics	8	$1,737	$20,844
	Psychology			
42.0100	Psychology	67	$1,301	$15,615
42.0200	Clinical Psychology	5	$1,381	$16,572
42.0401	Community Psychology	2	$513	$6,160
42.1601	Social Work	4	$1,083	$13,000
	Public Affairs & Protective Services			
43.0100	Criminal Justice	81	$1,475	$17,704
43.0103	Crim. Just. Studies	31	$1,734	$20,808
43.0107	Law Enforcement	8	$1,223	$14,678
43.0109	Security Services	2	$1,083	$13,000
44.0101	Public Affairs	9	$1,352	$16,224
44.0401	Public Administration	14	$1,250	$14,999
44.0700	Social Work	62	$1,134	$13,604
	Social Sciences			
45.0100	Social Science	78	$1,444	$17,334
45.0200	Anthropology	3	$1,125	$13,500
45.0401	Criminology	22	$1,586	$19,036
45.0600	Economics	22	$1,478	$17,737
45.0700	Geography	7	$1,302	$15,627
45.0701	Geography	8	$1,138	$13,650
45.0800	History	29	$1,412	$16,948
45.0900	International Business	3	$1,625	$19,500
45.1000	Political Science	29	$1,595	$19,137
45.1100	Sociology	28	$1,257	$15,079

CIP Number	Curriculum Area	Number Reporting Salary	Average Monthly Starting Salary	Average Yearly Starting Salary
	Graphic and Printing Communications			
48.0200	Printing Mgt.	20	$1,364	$16,372
	Dance			
50.0300	Dance	4	$875	$10,500
	Design			
50.0403	Illustration Design	1	$583	$7,000
50.0404	Industrial Design	11	$1,834	$22,007
	Dramatic Arts			
50.0500	Theatre	9	$1,106	$13,272
	Film Arts			
50.0605	Photography	1	$750	$9,000
50.0700	Art	67	$1,227	$14,720
	Fine Arts			
50.0701	Fine Arts	2	$1,146	$13,750
50.0703	Art History	8	$1,448	$17,376
50.0705	Drawing	1	$417	$5,000
50.0900	Music	4	$1,006	$12,075
50.0903	Applied Music	5	$1,068	$12,814

Table 4.
Placement Rates into Full-Time Employment in Comparison to Graduate School Attendance for Bachelor's Graduates by Curriculum, 1984-85

CIP Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
		Employment Rates 76% to 100%			
7.0600	Secretarial Program	16	100%	0%	0%
13.1316	Science Education	6	100%	0%	0%
14.1701	Industrial Engr.	8	100%	0%	0%
8.1100	Tourism & Travel Mkt.	7	100%	0%	0%
6.1501	Organizational Behav	29	100%	0%	0%
13.1310	Distributive Ed.	5	100%	0%	0%
18.1003	Anesthesiology	8	100%	0%	0%
4.0501	Interior Design	13	100%	0%	0%
14.2701	Systems Science	6	100%	0%	0%
2.0206	Dairy Science	5	100%	0%	0%
13.1200	Education	12	100%	0%	0%
31.9900	Therapeutic Rec.	7	100%	0%	0%
8.0900	Hospitality Marketing	116	97%	0%	3%
6.0700	Institutional Mgmt.	28	96%	0%	4%
17.0300	Medical Lab. Tech.	24	96%	0%	4%
18.1400	Pharmacy	101	96%	1%	1%
6.2000	Industrial Sup/Mgt.	22	95%	0%	5%
15.0607	Plastic Technology	62	95%	0%	5%
15.0403	Electromechanical Tech.	20	95%	0%	0%
15.0803	Automotive Tech.	99	94%	0%	4%
48.0200	Printing Mgt.	43	93%	0%	5%
6.0705	Transportation Mgt	14	93%	0%	7%
6.0402	Mat & Log Mgt Purch	121	93%	1%	6%
21.0102	Bldg Construction Mgt	25	92%	4%	4%
14.0101	Engineering Arts	61	92%	5%	3%
15.0200	Civil Technologies	39	92%	8%	0%
11.0400	Information Sciences	53	91%	0%	8%
15.0699	Polymers & Coating	11	91%	0%	9%
6.1302	Mat & Log Mgt Opers	75	91%	1%	8%
4.0500	Interior Design	33	91%	3%	6%
2.0301	Food Science	51	90%	2%	6%
15.0603	Computer Aided Manufacturing	9	89%	0%	11%
7.0400	Office Administration	55	89%	5%	4%
15.0805	Computer Aided Design	25	88%	0%	8%
17.0813	Physical Therapy	8	88%	0%	0%

* Only Curriculum Areas with Five or More Respondents are Reported

CIP Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
1.9900	Agriculture other	8	88%	0%	13%
20.0102	Child Development	24	88%	8%	4%
17.0806	Music Therapy	63	87%	0%	8%
14.0900	Computer Systems Engr.	117	87%	9%	3%
13.1005	Spec Ed. Emot. Dist.	96	86%	0%	5%
43.0103	Crim. Just. Studies	72	86%	0%	13%
6.0200	Accounting	916	86%	3%	10%
13.1204	Pre-Elementary Ed.	7	86%	14%	0%
6.1200	Mgt. Info. Systems	139	85%	1%	14%
8.0700	General Marketing	192	85%	2%	11%
1.0103	Agricultural Economics	60	85%	7%	8%
23.1000	Speech, Debate, Forensics	68	84%	4%	12%
18.1100	Nursing	318	84%	6%	3%
34.0100	Health Studies	77	84%	6%	3%
14.1900	Mechanical Engr.	407	84%	12%	6%
19.0400	Consumer Resources	6	83%	0%	17%
15.0101	Construction Tech.	6	83%	0%	0%
13.1399	Lit/Library Sci.	6	83%	0%	0%
18.1104	Medical Surgical Nurse	81	83%	0%	0%
6.1400	Marketing Mgt.	513	83%	1%	11%
13.9999	Education Other	36	83%	3%	14%
13.1001	Special Education	53	83%	6%	4%
4.0601	Landscape Architecture	29	83%	7%	10%
14.1000	Electrical Engineering	399	83%	11%	3%
16.0100	Foreign Language	6	83%	17%	0%
11.0100	Computer Science	477	82%	2%	16%
13.1006	Mentally Impaired	107	81%	0%	9%
17.0807	Occupational Therapy	52	81%	2%	13%
6.0100	Business	310	81%	5%	11%
10.0104	Radio & TV Prod	25	80%	0%	8%
50.0800	Graphic Arts Tech.	5	80%	0%	20%
8.1200	Petroleum Distribution	10	80%	0%	10%
8.1104	Travel & Tourism Mgt.	5	80%	0%	20%
9.0700	Radio/TV General	46	80%	2%	17%
10.0100	Communication Tech.	20	80%	5%	15%
18.0701	Health Administration	20	80%	5%	10%
6.0800	Risk & Insurance Mgt	10	80%	10%	10%
11.0301	Data Processing	47	79%	0%	9%
24.0199	Humanistic Studies	19	79%	0%	11%
13.1300	Teacher Education	57	79%	2%	14%
31.0100	Recreation	34	79%	3%	18%
3.0499	Packaging	146	79%	4%	16%
1.0601	Horticulture	38	79%	5%	16%
19.0500	Foods/Nut.	39	79%	8%	13%
19.0900	Textiles and Clothing	24	79%	8%	13%
6.0300	Finance	389	78%	5%	13%

CIP Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
6.0400	Business Admin.	666	78%	5%	14%
13.1008	Physically Impaired	18	78%	6%	0%
8.0201	Business Marketing	158	78%	6%	15%
9.0400	Journalism	120	77%	3%	18%
14.1801	Materials Engr.	13	77%	23%	0%
17.0507	Physicians Assistants	17	76%	0%	24%
9.0500	Public Relations	21	76%	5%	10%
6.1600	Personnel Mgt.	34	76%	9%	15%
18.0700	Health Sciences	70	76%	13%	10%
	Employment Rates 51% to 75%				
13.1101	Guidance & Counseling	8	75%	0%	13%
13.1303	Office Education	20	75%	0%	15%
13.1205	Secondary Education	53	75%	9%	15%
14.9900	Engineering Other	20	75%	10%	15%
13.1317	Social Science Ed.	39	74%	3%	5%
6.0601	Personnel Human Rels	38	74%	13%	13%
43.0100	Criminal Justice	202	74%	14%	10%
19.0301	Family Comm. Services	19	74%	16%	11%
8.0102	Fashion Merchandising	11	73%	0%	27%
50.0404	Industrial Design	32	72%	0%	25%
13.1202	Elementary Ed.	404	72%	2%	20%
9.0200	Advertising	261	72%	5%	22%
44.0101	Public Affairs	18	72%	11%	17%
17.0310	Medical Technology	150	72%	16%	13%
20.0104	Consumer Education	14	71%	0%	14%
15.0604	Manufacturing Tech.	7	71%	0%	29%
9.0100	Communications General	270	71%	12%	15%
2.0501	Crop & Soil Science	24	71%	13%	17%
16.0905	Spanish	21	71%	19%	5%
23.0801	English Literature	7	71%	29%	0%
19.0601	Human Envir & Design	20	70%	0%	25%
14.2000	Metallurgical Engr.	53	70%	9%	17%
14.0701	Chemical Engr.	145	70%	12%	16%
13.1308	Home Economics	13	69%	15%	8%
13.1309	Industrial Education	34	68%	3%	24%
31.0300	Recreation Mgmt.	19	68%	5%	21%
50.0703	Art History	31	68%	6%	10%
9.0701	Telecommunications	168	68%	7%	23%
45.0401	Criminology	34	68%	15%	9%
14.0801	Civil Engineering	117	68%	15%	16%
45.0100	Social Science	198	68%	18%	11%
50.0403	Illustration Design	6	67%	0%	33%
18.9900	Sports Medicine	6	67%	0%	33%
19.0700	Ind. & Family Develop.	6	67%	0%	0%

CIP Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
19.0100	Home Economics Gen.	6	67%	0%	33%
23.0401	Written Communications	15	67%	7%	20%
40.0703	Earth Science	18	67%	11%	17%
43.0199	Crim Justice Other	15	67%	13%	20%
40.0600	Geology	48	67%	15%	6%
16.0900	French	42	67%	17%	10%
14.0200	Aircraft Engineering	12	67%	17%	17%
27.0300	Applied Math	9	67%	22%	11%
50.0700	Art	149	66%	10%	17%
13.1312	Music Education	68	65%	13%	13%
19.0503	Dietietics	75	65%	17%	12%
27.0101	Mathematics	150	65%	18%	13%
17.9900	Public Health	14	64%	7%	29%
13.1003	Hearing Impaired	11	64%	9%	9%
45.1000	Political Science	99	64%	20%	13%
6.1700	Real Estate	8	63%	0%	25%
13.1311	Mathematics Education	8	63%	0%	13%
4.0701	Urban Design	8	63%	25%	13%
42.1601	Social Work	8	63%	38%	0%
45.1100	Sociology	58	62%	10%	19%
18.0901	Medical Laboratory	13	62%	23%	15%
26.0501	Microbiology	37	62%	27%	11%
43.0107	Law Enforcement	28	61%	4%	36%
13.1305	English Education	18	61%	6%	11%
2.0201	Animal Science	38	61%	34%	5%
6.0501	Business Economics	5	60%	0%	20%
30.0101	Earth Science	5	60%	20%	20%
42.0200	Clinical Psychology	35	60%	20%	20%
17.0208	Nuclear Medical Tech.	12	58%	8%	33%
40.0500	Chemistry	97	58%	30%	14%
43.0109	Security Services	7	57%	0%	43%
23.0100	English	214	57%	21%	15%
43.0102	Corrections	9	56%	11%	33%
3.0202	Conservation	16	56%	13%	31%
44.0700	Social Work	209	56%	23%	15%
6.1101	Personnel Mgmt.	11	55%	0%	18%
43.0105	Criminalistics	11	55%	18%	27%
26.0100	Biology	220	55%	30%	13%
16.0501	German	13	54%	23%	15%
3.0101	Resource Development	13	54%	23%	23%
50.0900	Music	35	54%	26%	9%
16.9999	Language and Int. Trade	26	54%	27%	19%
45.0600	Economics	70	54%	27%	16%
24.0100	Liberal/Gen. Studies	30	53%	10%	23%
13.1009	Visually Impaired	17	53%	12%	12%
44.0401	Public Administration	36	53%	14%	25%

CIP Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
30.0401	Humanities & Soc Sci	124	52%	38%	10%
3.0601	Fish & Wildlife Educ.	31	52%	45%	3%
50.0500	Theatre	45	51%	33%	7%
	Employment Rates 26% to 50%				
13.1314	Physical Education	132	50%	9%	23%
25.0401	Library Science	6	50%	17%	17%
45.0200	Anthropology	16	50%	19%	25%
45.0800	History	123	50%	28%	20%
45.0900	International Business	6	50%	33%	17%
38.0201	Religious Studies	6	50%	50%	0%
30.0100	Biological Sciences	29	48%	31%	14%
45.0700	Geography	45	47%	24%	22%
42.0100	Psychology	288	47%	35%	15%
13.1307	Health Education	11	45%	18%	36%
50.0903	Applied Music	22	45%	45%	9%
26.0201	Biochemistry	44	45%	52%	0%
40.0100	Physical Science	53	45%	53%	4%
14.0301	Agricultural Engr.	20	45%	45%	10%
42.0401	Community Psychology	25	44%	44%	12%
40.0800	Physics	41	41%	41%	10%
13.1012	Communication Dis.	32	41%	53%	6%
14.1501	Geological Engr.	18	39%	22%	39%
14.2101	Mining Engineering	6	33%	0%	67%
38.0101	Philosophy	6	33%	17%	17%
6.1301	Business Statistics	28	32%	29%	39%
22.0102	Administration & Supervision	85	32%	64%	5%
3.0501	Forestry	41	29%	32%	39%
26.0701	Zoology	14	29%	57%	14%
	Employment Rates 0% to 25%				
50.0402	Graphic Design	5	20%	0%	80%
26.0706	Physiology	66	20%	76%	2%
18.0199	Audiology & Sph Sci.	41	20%	76%	5%
18.2401	Veterinary Medicine	20	5%	95%	0%
18.0100	Speech Pathology & Audiology	13	0%	77%	23%

Table 5.
Bachelor's Degree Graduates Employed in Michigan Full-Time in Comparison to Unemployment Rate by Curriculum Areas, 1984-85

CIP Number	Curriculum Area	Percent Employed in MI	Percent Employed other states	Percent Unemployed
		Employment Rates 76% to 100%		
24.0199	Humanistic Studies	100%	0%	11%
14.1801	Materials Engr.	100%	0%	0%
13.1318	Social Studies Ed.	100%	0%	0%
41.0305	Water Science	100%	0%	67%
13.1306	Spanish Teaching	100%	0%	0%
6.0501	Business Economics	100%	0%	20%
38.0201	Religious Studies	100%	0%	0%
7.9900	Records Mgmt.	100%	0%	50%
13.1319	Technical Education	100%	0%	0%
26.9999	Ecosystems Biology	100%	0%	0%
42.0401	Community Psychology	100%	0%	12%
27.0500	Statistics	100%	0%	33%
14.1400	Environmental Engr.	100%	0%	0%
30.0101	Earth Science	100%	0%	20%
5.0102	American Studies	100%	0%	33%
15.0899	Mech Engr Tech.	100%	0%	0%
6.0800	Risk & Insurance Mgt	100%	0%	10%
7.0608	Word Processing Admin.	100%	0%	0%
3.0101	Resource Development	100%	0%	23%
30.9999	Business Chemistry	100%	0%	0%
14.1101	Mechanics Engr.	100%	0%	0%
11.0201	Computer Programming	100%	0%	33%
26.0301	Botany	100%	0%	33%
7.0603	Executive Secretarial	100%	0%	0%
13.1320	Trade & Industrial Ed.	100%	0%	0%
15.0403	Electromechanical Tech.	100%	0%	0%
13.1301	Agricultural Ed.	100%	0%	33%
15.0399	Electrical Tech.	100%	0%	50%
26.0702	Entomology	100%	0%	0%
43.0105	Criminalistics	100%	0%	27%
18.1003	Anesthesiology	100%	0%	0%
50.0902	Music Literature	100%	0%	0%
14.0301	Agricultural Engr.	100%	0%	10%
14.1701	Industrial Engr.	100%	0%	0%
13.1305	English Education	100%	0%	11%
18.0199	Audiology & Speech	100%	0%	5%
13.1310	Distributive Ed.	100%	0%	0%
11.0501	Systems Analysis	100%	0%	0%
2.0206	Dairy Science	100%	0%	0%

CIP Number	Curriculum Area	Percent Employed in MI	Percent Employed other states	Percent Unemployed
26.0701	Zoology	100%	0%	14%
13.1302	Art Education	100%	0%	0%
17.0813	Physical Therapy	100%	0%	0%
25.0401	Library Science	100%	0%	17%
38.0200	Religion	100%	0%	0%
19.0700	Ind. & Family Develop.	100%	0%	0%
18.2401	Veterinary Medicine	100%	0%	0%
18.1104	Medical Surgical Nurse	100%	0%	0%
2.0501	Crop & Soil Science	100%	0%	17%
13.1204	Pre-Elementary Ed.	100%	0%	0%
6.0705	Transportation Mgt	100%	0%	7%
21.0102	Bldg Construction Mgt	96%	4%	4%
20.0102	Child Development	95%	5%	4%
1.0601	Horticulture	93%	7%	16%
13.1312	Music Education	93%	7%	13%
13.1001	Special Education	93%	7%	4%
6.1501	Organizational Behav	93%	7%	0%
14.1700	Manufacturing	93%	7%	3%
18.1400	Pharmacy	93%	7%	1%
44.0101	Public Affairs	92%	8%	17%
17.0507	Physicians Assistants	92%	8%	24%
50.0700	Art	92%	8%	17%
2.0201	Animal Science	91%	9%	5%
45.0401	Criminology	91%	9%	9%
13.1300	Teacher Education	91%	9%	14%
15.0805	Computer Aided Design	91%	9%	8%
6.1200	Mgt. Info. Systems	91%	9%	14%
18.0700	Health Sciences	91%	9%	10%
42.0200	Clinical Psychology	90%	10%	20%
9.0701	Telecommunications	90%	6%	23%
20.0104	Consumer Education	90%	10%	14%
50.0903	Applied Music	90%	10%	9%
9.0700	Radio/TV General	89%	11%	17%
17.0310	Medical Technology	89%	11%	13%
6.0402	Mat & Log Mgt Purch	88%	12%	6%
4.0601	Landscape Architecture	88%	13%	10%
7.0600	Secretarial Program	88%	13%	0%
14.0101	Engineering Arts	88%	13%	3%
13.1006	Mentally Impaired	87%	13%	9%
26.0501	Microbiology	87%	13%	11%
50.0500	Theatre	87%	13%	7%
13.1303	Office Education	87%	7%	15%
13.1317	Social Science Ed.	86%	14%	5%
16.9999	Language and Int. Trade	86%	14%	19%
19.0601	Human Envir & Design	86%	14%	25%
1.9900	Agriculture other	86%	14%	13%

CIP Number	Curriculum Area	Percent Employed in MI	Percent Employed other states	Percent Unemployed
6.2000	Industrial Sup/Mgt.	86%	14%	5%
6.1302	Mat & Log Mgt Opers	85%	15%	8%
26.0706	Physiology	85%	15%	2%
6.0200	Accounting	84%	14%	10%
44.0401	Public Administration	84%	16%	25%
19.0900	Textiles and Clothing	84%	16%	13%
14.0701	Chemical Engr.	84%	16%	16%
42.0100	Psychology	84%	16%	15%
45.1100	Sociology	83%	17%	19%
8.0100	Apparel Marketing	83%	17%	4%
6.1101	Personnel Mgmt.	83%	17%	18%
13.1101	Guidance & Counseling	83%	17%	13%
4.0500	Interior Design	83%	17%	6%
27.0300	Applied Math	83%	17%	11%
34.0100	Health Studies	83%	17%	3%
11.0401	Business Computers	83%	17%	6%
6.0300	Finance	83%	15%	13%
6.0400	Business Admin.	83%	13%	14%
9.0400	Journalism	83%	17%	18%
8.0201	Business Marketing	82%	18%	15%
43.0103	Crim. Just. Studies	82%	18%	13%
13.1005	Spec Ed. Emot. Dist.	82%	18%	5%
22.0102	Administration & Super.	81%	19%	5%
14.0900	Computer Systems Engr.	81%	19%	3%
18.0701	Health Administration	81%	19%	10%
24.0100	Liberal/Gen. Studies	81%	19%	23%
3.0601	Fish & Wildlife Educ.	81%	19%	3%
30.0401	Humanities & Soc Sci	81%	19%	10%
10.0100	Communication Tech.	81%	19%	15%
43.0100	Criminal Justice	81%	19%	10%
1.0103	Agricultural Economics	80%	20%	8%
9.0200	Advertising	80%	20%	22%
3.0499	Forestry Production Other	80%	20%	16%
19.0400	Consumer Resources	80%	20%	17%
6.1700	Real Estate	80%	20%	25%
43.0199	Crim Just Other	80%	20%	20%
23.0401	Written Communications	80%	20%	20%
15.0604	Manufacturing Tech.	80%	20%	29%
13.1311	Mathematics Education	80%	20%	13%
13.1399	Library Science Ed.	80%	20%	0%
4.0701	Urban Design	80%	20%	13%
23.0801	English Literature	80%	20%	0%
15.0607	Plastic Technology	80%	20%	5%
40.0100	Physical Science	79%	21%	4%
19.0301	Family Comm. Services	79%	21%	11%
17.0300	Medical Lab. Tech.	78%	22%	4%

CIP Number	Curriculum Area	Percent Employed in MI	Percent Employed other states	Percent Unemployed
14.1900	Mechanical Engr.	78%	22%	6%
6.1400	Marketing Mgt.	78%	19%	11%
13.1308	Home Economics	78%	0%	8%
14.1000	Electrical Engineering	78%	22%	3%
13.1202	Elementary Ed.	78%	22%	20%
11.0400	Information Sciences	77%	23%	8%
6.1600	Personnel Mgt.	77%	23%	15%
	Employment Rates 51% to 75%			
11.0100	Computer Science	75%	24%	16%
16.0900	French	75%	21%	10%
8.0102	Fashion Merchandising	75%	25%	27%
15.0200	Civil Technologies	75%	25%	0%
18.0901	Medical Laboratory	75%	25%	15%
15.0603	Computer Aided Manufacturi	75%	25%	11%
19.0100	Home Economics Gen.	75%	25%	33%
45.0200	Anthropology	75%	25%	25%
13.1200	Education	75%	25%	0%
50.0300	Dance	75%	25%	0%
3.0501	Forestry	75%	25%	39%
9.0100	Communications General	74%	26%	15%
31.0100	Recreation	74%	26%	18%
45.0100	Social Science	74%	23%	11%
8.0700	General Marketing	74%	26%	11%
16.0905	Spanish	73%	20%	5%
6.0100	Business	73%	27%	11%
26.0100	Biology	73%	18%	13%
44.0700	Social Work	73%	12%	15%
23.0100	English	72%	19%	15%
16.0501	German	71%	29%	15%
13.1003	Hearing Impaired	71%	29%	9%
30.0100	Biological Sciences	71%	29%	14%
8.1100	Tourism & Travel Mkt.	71%	29%	0%
31.9900	Therapeutic Rec.	71%	29%	0%
50.0703	Art History	71%	29%	10%
6.0601	Personnel Human Rels	71%	29%	13%
14.0801	Civil Engineering	71%	29%	16%
27.0101	Mathematics	70%	30%	13%
26.0201	Biochemistry	70%	0%	0%
15.0699	Polymers & Coating	70%	30%	9%
13.1314	Physical Education	70%	26%	23%
2.0301	Food Science	70%	30%	6%
31.0300	Recreation Mgmt.	69%	8%	21%
9.0500	Public Relations	69%	31%	10%
18.1100	Nursing	68%	8%	3%

CIP Number	Curriculum Area	Percent Employed in MI	Percent Employed other states	Percent Unemployed
40.0500	Chemistry	68%	32%	14%
17.9900	Public Health	67%	33%	29%
14.2701	Systems Science	67%	33%	0%
7.0604	Legal Assistant	67%	33%	25%
45.0900	International Business	67%	33%	17%
13.1316	Science Education	67%	33%	0%
6.1301	Business Statistics	67%	33%	39%
15.0503	Energy Management Tech.	67%	33%	0%
40.0703	Earth Science	67%	33%	17%
15.0803	Automotive Tech.	66%	34%	4%
45.1000	Political Science	63%	25%	13%
7.0400	Office Administration	63%	8%	4%
45.0600	Economics	63%	18%	16%
45.0800	History	63%	23%	20%
8.1200	Petroleum Distribution	63%	38%	10%
40.0600	Geology	63%	38%	6%
19.0500	Foods/Nut.	61%	39%	13%
50.0404	Industrial Design	61%	39%	25%
13.1307	Health Education	60%	20%	36%
10.0104	Radio & TV Prod	60%	40%	8%
15.0101	Construction Tech.	60%	40%	0%
42.1601	Social Work	60%	40%	0%
16.0100	Foreign Language	60%	40%	0%
13.1205	Secondary Education	60%	40%	15%
40.0800	Physics	59%	29%	10%
17.0208	Nuclear Medical Tech.	57%	43%	33%
13.1008	Physically Impaired	57%	43%	0%
14.2000	Metallurgical Engr.	57%	43%	17%
13.1309	Industrial Education	57%	9%	24%
23.1000	Speech, Debate, Forensics	56%	12%	12%
48.0200	Printing Mgt.	55%	45%	5%
11.0301	Data Processing	54%	3%	9%
6.0700	Institutional Mgmt.	52%	48%	4%
19.0503	Dietietics	51%	43%	12%
	Employment Rates 26% to 50%			
38.0101	Philosophy	50%	0%	17%
1.0100	Agribusiness	50%	50%	0%
17.0816	Therapeutic Recreation	50%	50%	0%
21.0103	Ind. Ed. Drafting	50%	50%	0%
14.2101	Mining Engineering	50%	50%	67%
8.0900	Hospitality Marketing	48%	52%	3%
45.0700	Geography	48%	38%	22%
17.0807	Occupational Therapy	48%	52%	13%
50.0900	Music	47%	11%	9%

CIP Number	Curriculum Area	Percent Employed in MI	Percent Employed other states	Percent Unemployed
13.1012	Communication Dis.	46%	23%	6%
17.0806	Music Therapy	45%	55%	8%
14.9900	Engineering Other	40%	60%	15%
14.0200	Aircraft Engineering	38%	63%	17%
6.0701	Htl Rest & Inst Mgt	37%	63%	6%
50.0605	Photography	33%	0%	0%
25.0100	Librarianship	33%	67%	25%
14.1501	Geological Engr.	29%	71%	39%
	Employment Rates below 26%			
8.1104	Travel & Tourism Mgt.	25%	75%	20%
13.1009	Visually Impaired	22%	78%	12%
50.0403	Illustration Design	0%	0%	33%
43.0107	Law Enforcement	0%	0%	36%
40.0599	Metallurgical Chem.	0%	0%	0%
50.0708	Painting	0%	0%	0%
26.0603	Environmental Studies	0%	0%	50%
18.1001	Human Medicine	0%	0%	0%
3.0202	Conservation	0%	0%	31%
13.9999	Education Other	0%	0%	14%
43.0102	Corrections	0%	0%	33%
18.0100	Speech Pathology & Aud.	0%	0%	23%
5.0199	Area Studies Teaching	0%	0%	0%
16.0301	Chinese	0%	0%	0%
22.0101	English Language & Lit.	0%	0%	0%
18.1301	Osteopathic Medicine	0%	0%	0%
18.1008	Gerontology	0%	0%	100%
17.0301	Blood Bank Tech.	0%	0%	50%
50.0602	Filmmaking	0%	0%	0%
50.0206	Metal Crafts Design	0%	0%	100%
50.0499	Furniture Design	0%	0%	0%
4.0301	Land Use Analysis	0%	0%	0%
4.0401	Environmental Design	0%	0%	0%
50.0402	Graphic Design	0%	0%	80%
23.0600	Linguistics	0%	0%	33%
43.0109	Security Services	0%	0%	43%
50.0904	Music Theory	0%	0%	0%
50.0800	Graphic Arts Tech.	0%	50%	20%
14.0500	Bioengineering	0%	100%	0%
15.0801	Aeronautical Tech.	0%	100%	0%
17.0821	Comm. Disorders Ed.	0%	100%	25%
18.9900	Sports Medicine	0%	100%	33%
50.0705	Drawing	0%	100%	50%

Table 6.
Master's Degrees Conferred Compared to Graduates Reported and Responding by Participating Institutions for Major Curriculum Areas, 1984-85

CIP	Curriculum Area	Degrees Conferred Public	Degrees Conferred Private	Total* Degrees Conferred	Number of* Graduates Reported	Percent of Total	Number of Graduates Responding	Percent of Total	Percent of Reported
1	Agribusiness	32	0	32	30	94%	23	72%	77%
2	Agricultural Sciences	49	0	49	48	98%	41	84%	85%
3	Renewable Nat Resources	60	0	60	49	82%	39	65%	80%
4	Architecture	45	6	51	21	41%	17	33%	81%
5	Area & Ethnic Studies	4	0	4	2	50%	1	25%	50%
6	Business & Management	2,578	363	2,941	842	29%	548	19%	65%
8	Marketing & Distribution	25	0	25	83	332%	63	252%	76%
9	Communications	117	0	117	84	72%	53	45%	63%
10	Communications Technology	1	0	1		0%	0	0%	0%
11	Computer Sciences	150	39	189	62	33%	34	18%	55%
13	Education	2,534	99	2,633	1783	68%	1,102	42%	62%
14	Engineering	609	47	656	333	51%	156	24%	47%
15	Engineering Related Tech.	70	0	70	57	81%	35	50%	61%
16	Foreign Languages	41	3	44	32	73%	20	45%	63%
17	Allied Health	45	0	45	27	60%	17	38%	63%
18	Health Sciences	290	41	331	196	59%	105	32%	54%
19	Home Economics	98	0	98	82	84%	67	68%	82%
20	Voc. Home Economics	0	0	0	19	0%	3	0%	16%
22	Law	45	0	45	23	51%	4	9%	17%
23	Letters	197	0	197	107	54%	72	37%	67%
24	Liberal Studies	4	0	4		0%	0	0%	0%
25	Library Sciences	117	0	117	89	76%	61	52%	69%
26	Life Sciences	118	6	124	102	82%	62	50%	61%
27	Mathematics	89	2	91	75	82%	49	54%	65%
30	Interdisciplinary Studies	6	1	7	14	200%	8	114%	57%
31	Parks and Recreation	22	0	22	15	68%	9	41%	60%
38	Philosophy & Religion	4	31	35	4	11%	3	9%	75%
39	Theology	0	30	30		0%	0	0%	0%
40	Physical Sciences	121	10	131	88	67%	55	42%	63%
42	Psychology	152	17	169	113	67%	64	38%	57%
43	Protective Services	19	14	33	19	58%	17	52%	89%
44	Public Affairs	504	3	507	417	82%	226	45%	54%
45	Social Sciences	218	7	225	173	77%	103	46%	60%
50	Visual & Performing Arts	161	68	229	164	72%	73	32%	45%
	TOTAL	8,525	787	9,312	5153	55%	3,130	34%	61%

* Data from Michigan Department of Education

** Data from Institutions Responding to this Survey

Table 7.
Placement Results for 1984-85 Master's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas*

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
	Agriculture Sciences						
1.0103	Agricultural Econ	13	77%	50%	50%	0%	23%
1.9999	Agricultural Ed.	10	90%	100%	0%	0%	10%
2.0201	Animal Science	5	20%	100%	0%	0%	80%
2.0206	Dairy Science	2	50%	100%	0%	0%	50%
2.0209	Poultry Science	5	40%	100%	0%	40%	20%
2.0301	Food Science	7	43%	100%	0%	0%	57%
2.0402	Crop & Soil Science	12	58%	86%	14%	0%	42%
2.0403	Horticulture	10	50%	100%	0%	0%	50%
3.0101	Resource Development	10	80%	100%	0%	20%	0%
3.0501	Forestry	16	75%	83%	17%	13%	13%
3.0601	Fish & Wildlife	13	85%	73%	27%	0%	15%
	Environmental Design						
4.0301	City Planning	5	80%	100%	0%	20%	0%
4.0701	Urban Planning	12	75%	67%	33%	17%	0%
	Area & Ethnic Studies						
5.0100	Medieval Studies	1	0%	0%	0%	0%	100%
	Business						
6.0100	Business & Mgmt.	14	93%	92%	8%	7%	0%
6.0201	Accounting	51	83%	91%	9%	0%	0%
6.0300	Banking And Finance	51	82%	95%	5%	8%	10%
6.0400	Business Admin	284	79%	92%	8%	13%	0%
6.0402	Mat & Log Mgt Purch	7	100%	100%	0%	0%	0%
6.0601	Personnel Human Rels	15	80%	100%	0%	20%	0%
6.0701	Htl Rest & Inst Mgt	6	100%	50%	50%	0%	0%
6.0705	Mat & Log Trsp	8	100%	75%	25%	0%	0%
6.0901	Development and Trade	1	100%	0%	100%	0%	0%
6.1101	Labor & Indust Rel.	69	80%	89%	11%	17%	3%
6.1300	Operations Research	9	0%	0%	0%	89%	11%
6.1302	Ops Res	19	100%	84%	16%	0%	0%
6.1399	Management Science	3	100%	100%	0%	0%	0%
6.1400	Marketing	4	100%	100%	0%	0%	0%
6.1501	Organizational Behav	7	86%	83%	17%	14%	0%

*"Other" catagory which includes foreign students returning home, part-time employment, and unemployed not seeking work accounts for the remaining percentage after accounting for employed full-time, unemployed and graduate school. Several schools did not know where their graduates were working which accounts for the missing percentages with regards to employed in Michigan and in other states.

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
8.0201	Marketing	45	93%	79%	21%	4%	2%
8.0703	Management Intent	18	67%	67%	33%	33%	0%
	Communications						
9.0101	Visually Impaired	24	75%	78%	22%	4%	21%
9.0201	Advertising	9	78%	43%	57%	11%	0%
9.0401	Journalism	9	89%	63%	38%	11%	0%
9.0501	Public Relations	1	100%	100%	0%	0%	0%
9.0701	Telecommunications	10	100%	90%	10%	0%	0%
	Computer Science						
11.0100	Computer Science	25	72%	83%	17%	28%	0%
11.0401	Computer systems	9	78%	86%	14%	22%	0%
	Education						
13.0101	Classroom Teach Exp	59	92%	100%	0%	3%	5%
13.0301	Curriculum & Instr.	67	88%	88%	12%	4%	7%
13.0401	Educational Leadership	144	78%	96%	4%	9%	3%
13.0404	Education Admin	9	89%	100%	0%	11%	0%
13.0406	Coll & Univ Admin	12	75%	89%	11%	17%	8%
13.0407	Comm. Coll Teaching	10	20%	100%	0%	80%	0%
13.0501	Industrial Tech	15	100%	93%	7%	0%	0%
13.0604	Meas Eval & Res Design	3	67%	0%	100%	0%	33%
13.0801	Educ Psychology	26	65%	88%	12%	15%	15%
13.0901	Graphic Arts	4	100%	100%	0%	0%	0%
13.1001	General Special Ed	58	81%	98%	2%	7%	0%
13.1002	Culturally Depr Ed.	1	100%	100%	0%	0%	0%
13.1005	Ed of Emot Hand.	13	100%	85%	15%	0%	0%
13.1006	Ed of Mentally Hand.	13	92%	92%	8%	0%	0%
13.1008	Physically Impaired	1	100%	100%	0%	0%	0%
13.1009	Mobility Specialist	19	74%	43%	57%	21%	0%
13.1011	Learning Disabilities	34	88%	90%	10%	9%	0%
13.1012	Speech Impaired	22	73%	56%	44%	14%	0%
13.1101	Counseling	181	68%	91%	9%	13%	7%
13.1201	Early Childhood Ed.	11	45%	80%	20%	36%	0%
13.1202	Elem. Education	139	73%	98%	2%	4%	1%
13.1203	Junior High Ed.	6	67%	100%	0%	17%	0%
13.1204	Early Childhood	11	100%	100%	0%	0%	0%
13.1205	Sec Ed Math	38	92%	100%	0%	0%	0%
13.1302	Art Ed	2	50%	100%	0%	0%	0%
13.1303	Business Ed	4	100%	100%	0%	0%	0%
13.1305	English Education	2	50%	100%	0%	0%	0%
13.1308	Home Econ Ed.	1	100%	0%	100%	0%	0%

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
13.1309	Industrial Ed.	38	87%	85%	15%	5%	5%
13.1310	Distributive Ed.	1	100%	100%	0%	0%	0%
13.1311	Math Education	5	100%	100%	0%	0%	0%
13.1312	Music Education	5	80%	100%	0%	0%	20%
13.1314	Physical Education	54	69%	76%	24%	20%	7%
13.1315	Sec Reading	64	73%	98%	2%	13%	3%
13.1316	Science Ed	8	75%	100%	0%	13%	13%
13.1318	Social Studies	3	67%	100%	0%	0%	0%
13.1319	Industrial Ed.	3	100%	100%	0%	0%	0%
13.1399	Vocational Ed	6	50%	100%	0%	50%	0%
13.1401	Eng. as a 2nd Lang.	7	43%	33%	67%	29%	0%
13.9999	Educ Sociology	3	100%	100%	0%	0%	0%
	Engineering						

14.0301	Agricultural Eng	6	100%	83%	17%	0%	0%
14.0701	Chemical Eng	23	70%	81%	19%	4%	26%
14.0801	Civil Eng	29	69%	95%	5%	0%	31%
14.0901	Computer Science	27	67%	67%	33%	7%	26%
14.1001	Elec and Comp. Eng	30	63%	79%	21%	17%	20%
14.1101	Mechanics	4	50%	100%	0%	0%	50%
14.1701	Industrial Eng	1	100%	100%	0%	0%	0%
14.1801	Materials Science	2	50%	100%	0%	0%	50%
14.1901	Mechanical Eng	24	88%	71%	29%	0%	13%
14.2001	Metallurgical Eng	7	57%	50%	50%	29%	14%
14.2701	Systems Science	2	100%	100%	0%	0%	0%
14.9900	Paper Science	1	0%	0%	0%	0%	100%
15.0603	Industrial Tech	23	96%	86%	14%	4%	0%
15.9999	MLS in Technology	12	83%	100%	0%	8%	0%
	Foreign Languages						

16.0101	Spanish	1	100%	100%	0%	0%	0%
16.0501	German	1	100%	100%	0%	0%	0%
16.0901	French Sec Sch Tchg.	8	50%	75%	25%	0%	50%
16.0905	Spanish Sec Sch Tchg.	9	67%	67%	33%	0%	22%
	Health						

17.0310	Medical Technology	1	100%	100%	0%	0%	0%
17.0800	Art Therapy	15	100%	53%	47%	0%	0%
17.0807	Occupational Therapy	1	100%	100%	0%	0%	0%
18.0100	Speech Pathology	22	86%	47%	53%	9%	0%
18.0103	Audiology	4	100%	100%	0%	0%	0%
18.0199	Audiology & Speech	33	94%	68%	32%	6%	0%
18.0202	Clinical Lab Science	6	83%	80%	20%	0%	17%

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
18.0901	Nursing	1	100%	100%	0%	0%	0%
18.1003	Anesthesia	1	100%	100%	0%	0%	0%
18.1101	Nursing	4	50%	100%	0%	0%	25%
18.1105	Nursing Administration	30	100%	93%	7%	0%	0%
18.1107	Environmental Health	3	100%	100%	0%	0%	0%
18.2401	Lg Animal Clinical	1	0%	0%	0%	0%	100%
	Home Economics						
19.0101	Home Economics	22	50%	91%	9%	32%	0%
19.0301	Family Comm Services	10	70%	29%	71%	0%	30%
19.0403	Family Econ & Mgt	4	75%	100%	0%	0%	25%
19.0501	Institutional Admin.	4	75%	67%	33%	25%	0%
19.0503	Nutritional Sciences	6	83%	60%	40%	17%	0%
19.0701	Health Ed.	7	57%	75%	25%	14%	0%
19.0704	Family Studies	5	40%	100%	0%	20%	40%
19.0754	Child Development	8	75%	100%	0%	0%	25%
19.0901	Clothing & Textiles	1	100%	100%	0%	0%	0%
20.0104	Consumer Education	3	100%	100%	0%	0%	0%
	Law						
22.0101	Law	4	100%	100%	0%	0%	0%
	Letters						
23.0100	English	49	49%	83%	17%	14%	29%
23.0500	Creative Writing	7	43%	0%	100%	0%	29%
23.0701	American Studies	3	67%	100%	0%	0%	33%
23.0801	Pre Architecture	11	55%	67%	33%	27%	18%
	Library Science						
25.0100	Librarianship	61	79%	83%	17%	10%	2%
	Life Sciences						
26.0100	Biology	22	41%	89%	11%	18%	23%
26.0201	Biophysics	12	50%	83%	17%	8%	42%
26.0301	Botany	9	56%	100%	0%	11%	33%
26.0601	Anatomy	4	100%	100%	0%	0%	0%
26.0701	Zoology	3	0%	0%	0%	33%	67%
26.0702	Entomology	3	100%	100%	0%	0%	0%
26.0704	Pathology	2	50%	100%	0%	0%	50%
26.0705	Pharmacology	2	100%	100%	0%	0%	0%
26.0706	Physiology	5	0%	0%	0%	0%	100%

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
	Mathematics						
27.0100	Mathematics	25	36%	100%	0%	32%	32%
27.0301	Applied Mathematics	8	50%	50%	50%	0%	50%
27.0500	Statistics	16	25%	100%	0%	38%	38%
	Multi/Interdisciplinary Studies						
30.0100	Biolog. & Physical Sci	4	50%	100%	0%	0%	25%
30.9999	Individualized Studies	4	50%	100%	0%	0%	0%
	Parks and Recreation						
31.0301	Park & Rec Mgmt.	8	63%	80%	20%	0%	38%
	Philosophy						
38.0101	Philosophy	3	33%	100%	0%	0%	33%
	Physical Sciences						
40.0500	Chemistry	13	69%	56%	44%	0%	31%
40.0600	Geology	14	74%	36%	64%	16%	11%
40.0700	Earth Science	1	100%	100%	0%	0%	0%
40.0800	Physics	22	41%	67%	33%	18%	36%
	Psychology						
42.0100	Psychology	64	50%	75%	25%	11%	39%
	Public Affairs and Corrective Services						
43.0101	Correctional Admin.	10	80%	75%	25%	0%	20%
43.0104	Criminal Justice	7	100%	100%	0%	0%	0%
44.0400	Development Admin	53	70%	84%	16%	26%	2%
44.0700	Social Work	173	91%	91%	9%	6%	1%
	Social Science						
45.0101	Social Science	4	75%	100%	0%	25%	0%
45.0200	Anthropology	14	57%	75%	25%	0%	43%
45.0401	Criminology	1	100%	100%	0%	0%	0%
45.0600	Economics	35	11%	100%	0%	49%	40%
45.0700	Geography	13	77%	60%	40%	8%	8%
45.0800	History	10	60%	83%	17%	10%	20%
45.1000	Political Science	16	25%	50%	50%	56%	19%

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
45.1100	Sociology	10	40%	100%	0%	10%	50%
	Visual and Performing Arts						
50.0501	Theatre	15	67%	90%	10%	20%	0%
50.0700	Art	16	75%	75%	25%	13%	6%
50.0900	Music	17	65%	91%	9%	6%	0%
50.0903	Music Performance	21	67%	86%	14%	10%	24%
50.0904	Music Composition	2	0%	0%	0%	0%	100%

Table 8.
Average Starting Salary for Master's Graduates of Selected Michigan Colleges and Universities by Curriculum Area, 1984-85

Cip Number	Curriculum Area	Number Reporting Salaries	Average Monthly Starting Salary	Average Yearly Starting Salary
	Agricultural Studies			
1.0103	Agricul Econ	3	$1,931	$23,172
1.9999	Agricultur Ed.	5	$2,117	$25,399
2.0301	Food Science	1	$1,583	$18,996
2.0402	Crop & Soil Science	1	$1,692	$20,304
2.0403	Horticulture	1	$1,700	$20,400
3.0101	Resource Development	6	$1,865	$22,380
3.0501	Forestry	8	$2,115	$25,380
3.0601	Fish & Wildlife	7	$1,920	$23,040
	Environmental Design			
4.0301	City Planning	3	$2,194	$26,328
4.0701	Urban Planning	6	$1,972	$23,664
	Business			
6.0100	Business & Mgmt.	3	$2,000	$24,000
6.0201	Accounting	29	$1,851	$22,212
6.0300	Banking And Finance	34	$2,410	$28,920
6.0400	Business Admin	148	$2,500	$30,000
6.0402	Mat & Log Mgt Purch	5	$2,230	$26,760
6.0601	Personnel Human Rels	11	$2,559	$30,708
6.0701	Htl Rest & Inst Mgt	6	$2,111	$25,332
6.0705	Mat & Log Trsp	7	$2,494	$29,928
6.1101	Labor & Indust Rel.	43	$2,182	$26,183
6.1302	Operations Research	18	$2,404	$28,845
6.1399	Management Science	2	$2,546	$30,552
6.1400	Marketing	9	$1,900	$22,800
6.1501	Organizational Behav	5	$3,091	$37,092
8.0201	Marketing	33	$2,331	$27,972
8.0703	Management Intent	8	$2,106	$25,272
	Communications			
9.0101	Communications	9	$2,112	$25,341
9.0201	Advertising	7	$1,958	$23,496
9.0401	Journalism	7	$1,929	$23,148
9.0501	Public Relations	1	$1,917	$23,004
9.0701	Telecommunications	8	$1,976	$23,712

Cip Number	Curriculum Area	Number Reporting Salaries	Average Monthly Starting Salary	Average Yearly Starting Salary
	Computer & Information Sciences			
11.0100	Computer Science	10	$2,588	$31,061
11.0401	Information Science	6	$2,572	$30,864
	Education			
13.0101	Education	40	$1,906	$22,872
13.0301	Curriculum & Instr.	31	$2,205	$26,460
13.0401	Educational Leadership	99	$2,139	$25,670
13.0404	Education Admin	2	$2,250	$27,000
13.0406	Coll & Univ Admin	5	$1,552	$18,624
13.0501	Media Ed.	7	$2,663	$31,956
13.0801	Educ Psychology	14	$2,106	$25,276
13.0901	Graphic Arts	4	$2,819	$33,822
13.1001	General Special Ed	41	$1,826	$21,916
13.1005	Ed of Emot Hand.	10	$2,056	$24,674
13.1006	Ed of Mentally Hand.	9	$1,734	$20,808
13.1008	Physically Impaired	1	$1,487	$17,844
13.1009	Mobility Specialist	14	$1,656	$19,877
13.1011	Learning Disabilities	26	$1,810	$21,720
13.1012	Speech Impaired	15	$1,610	$19,320
13.1101	Counseling	112	$1,908	$22,897
13.1202	Elem. Education	87	$2,100	$25,196
13.1203	Junior High Ed.	4	$1,662	$19,944
13.1204	Early Childhood	2	$1,958	$23,496
13.1205	Sec Ed Math	23	$2,294	$27,528
13.1302	Art Education	2	$1,321	$15,846
13.1303	Business Ed	4	$1,937	$23,244
13.1305	English Education	1	$2,085	$25,020
13.1309	Industrial Ed.	20	$2,149	$25,784
13.1310	Distributive Ed.	1	$2,500	$30,000
13.1311	Math Ed.	3	$1,819	$21,828
13.1312	Music Education	3	$1,533	$18,396
13.1314	Physical Education	30	$1,926	$23,112
13.1315	Sec Reading	31	$1,953	$23,432
13.1316	Science Ed	5	$1,847	$22,158
13.1319	Industrial Ed.	1	$2,000	$24,000
13.1401	Eng as a 2nd Lang.	1	$1,583	$18,996
13.9999	Educ Sociology	2	$1,583	$18,996
	Engineering			
14.0301	Agricultural Eng	2	$2,542	$30,504
14.0701	Chemical Eng	8	$2,530	$30,364

Cip Number	Curriculum Area	Number Reporting Salaries	Average Monthly Starting Salary	Average Yearly Starting Salary
14.0801	Civil Eng	15	$2,259	$27,111
14.0901	Computer Science	13	$2,692	$32,304
14.1001	Elec and Comp. Eng	12	$2,770	$33,240
14.1701	Industrial Eng	1	$2,500	$30,000
14.1901	Mechanical Eng	10	$2,706	$32,468
14.2001	Mettallurgical Eng	2	$2,638	$31,650
14.2701	Systems Science	1	$2,417	$29,004
15.0603	Industrial Tech	18	$2,703	$32,436
15.9999	MLS in Technology	11	$2,763	$33,156
	Foreign Languages			
16.0101	Spanish	1	$2,000	$24,000
16.0901	French Sec Sch Tchg.	12	$2,164	$25,971
16.0905	Spanish Sec Sch Tchg.	4	$1,668	$20,020
	Health Sciences			
17.0800	Occupational Therapy	13	$1,750	$21,000
18.0100	Speech Pathology	18	$1,489	$17,868
18.0103	Audiology	2	$1,667	$20,004
18.0199	Audiology & Speech	14	$1,549	$18,588
18.0202	Clinical Lab Science	3	$2,278	$27,336
18.0901	Nursing	1	$2,600	$31,200
18.1003	Anesthesia	1	$3,337	$40,044
18.1101	Nursing	2	$1,958	$23,498
18.1105	Nursing Admin.	28	$2,457	$29,484
18.1107	Environmental Health	3	$2,292	$27,504
	Home Economics			
19.0101	Home Economics	9	$2,056	$24,672
19.0301	Family Comm Services	3	$1,947	$23,364
19.0403	Family Econ & Mgt	1	$1,000	$12,000
19.0501	Institutional Admin.	2	$1,882	$22,584
19.0503	Nutritional Sciences	2	$1,521	$18,252
19.0701	Health Ed.	4	$2,302	$27,624
19.0704	Family Studies	1	$1,000	$12,000
19.0754	Child Development	1	$1,250	$15,000
20.0104	Consumer Ed.	2	$2,500	$30,000
	Law and Letters			
22.0101	Law	4	$3,302	$39,624

Cip Number	Curriculum Area	Number Reporting Salaries	Average Monthly Starting Salary	Average Yearly Starting Salary
23.0100	English	9	$1,620	$19,444
23.0500	Creative Writing	1	$1,208	$14,496
23.0701	American Studies	1	$1,667	$20,004
23.0801	Pre Architecture	6	$1,250	$15,000
23.0901	Telecommunications	1	$500	$6,000
25.0100	Librarianship	39	$1,573	$18,870
	Life Sciences			
26.0100	Biology	9	$1,335	$16,014
26.0201	Biophysics	4	$1,608	$19,296
26.0301	Botany	3	$1,944	$23,328
26.0601	Anatomy	3	$2,153	$25,836
26.0702	Entomology	1	$1,333	$15,996
26.0705	Pharmacology	2	$3,333	$39,996
	Mathematics			
27.0100	Mathematics	7	$1,978	$23,740
27.0301	Applied Mathematics	3	$2,236	$26,832
	Multi/Interdisciplinary Studies			
30.9999	Individualized Studies	3	$2,611	$31,332
	Parks and Recreation			
31.0101	Recreation	1	$1,250	$15,000
31.0301	Park & Rec Res	2	$1,750	$21,000
	Physical Sciences			
40.0500	Chemistry	4	$1,774	$21,288
40.0600	Geology	9	$2,018	$24,216
40.0800	Physics	3	$2,432	$29,184
	Psychology			
42.0100	Psychology	28	$1,954	$23,448
	Public Affairs and Protective Services			
43.0101	Criminal Justice	9	$2,833	$33,996
44.0400	Development Admin	30	$2,497	$29,967

Cip Number	Curriculum Area	Number Reporting Salaries	Average Monthly Starting Salary	Average Yearly Starting Salary
44.0700	Social Work	132	$1,659	$19,906
	Social Services			
45.0101	Social Science	3	$1,937	$23,244
45.0200	Anthropology	5	$2,038	$24,450
45.0600	Economics	2	$1,983	$23,796
45.0700	Geography	9	$1,978	$23,730
45.0800	History	2	$1,796	$21,546
45.1000	Political Science	1	$3,125	$37,500
45.1100	Sociology	3	$1,408	$16,896
	Design			
50.0401	Art & Design	1	$2,250	$27,000
	Dramatic Arts			
50.0501	Theatre	8	$1,101	$13,206
	Fine Arts			
50.0700	Art	6	$1,898	$22,780
50.0900	Music	11	$1,727	$20,721
50.0903	Music Performance	3	$1,286	$15,426

Table 9.
Placement Rates into Full-Time Employment in Comparison to Graduate School Attendance for Master's Graduates by Curriculum 1984-85

Cip Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
		Employment Rate 76% to 100%			
13.1204	Early Childhood	11	100%	0%	0%
13.0501	Industrial Tech	15	100%	0%	0%
6.0402	Mat & Log Mgt Purch	7	100%	0%	0%
6.0705	Mat & Log Trsp	8	100%	0%	0%
17.0800	Occupational Therapy	15	100%	0%	0%
6.1302	Operations Research	19	100%	0%	0%
13.1311	Math Ed.	5	100%	0%	0%
18.1105	Nursing	30	100%	0%	0%
43.0104	Criminal Justice	7	100%	0%	0%
9.0701	Telecommunications	10	100%	0%	0%
14.0301	Agricultural Eng	6	100%	0%	0%
13.1005	Ed of Emot Hand.	13	100%	0%	0%
6.0701	Htl Rest & Inst Mgt	6	100%	0%	0%
15.0603	Industrial Tech	23	96%	0%	4%
18.0199	Audiology & Sph Sci	33	94%	0%	6%
8.0201	Marketing	45	93%	2%	4%
6.0100	Business & Mgmt.	14	93%	0%	7%
13.1006	Ed of Mentally Hand.	13	92%	0%	0%
13.1205	Sec Ed Math	38	92%	0%	0%
13.0101	Classroom Teach Exp	59	92%	5%	3%
44.0700	Social Work	173	91%	1%	6%
1.9999	Agriculture Ed.	10	90%	10%	0%
9.0401	Journalism	9	89%	0%	11%
13.0404	Education Admin	9	89%	0%	11%
13.1011	Learning Disabilities	34	88%	0%	9%
13.0301	Curriculum & Instr.	67	88%	7%	4%
14.1901	Mechanical Eng	24	88%	13%	0%
13.1309	Industrial Ed.	38	87%	5%	5%
18.0100	Speech Pathology	22	86%	0%	9%
6.1501	Organizational Behav	7	86%	0%	14%
3.0601	Fish & Wildlife	13	85%	15%	0%
18.0202	Clinical Lab Science	6	83%	17%	0%
15.9999	MLS in Technology	12	83%	0%	1%
19.0503	Nutritional Sciences	6	83%	0%	17%
6.0201	Accounting	40	83%	0%	0%
6.0300	Banking And Finance	51	82%	10%	8%
13.1001	General Special Ed	58	81%	0%	7%

* Only Curriculum Areas with Five or more Respondents are Reported

Cip Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
43.0101	Criminal Justice	10	80%	20%	0%
13.1312	Music Education	5	80%	20%	0%
4.0301	Urban Planning	5	80%	0%	20%
3.0101	Resource Development	10	80%	0%	20%
6.0601	Personnel Human Rels	15	80%	0%	20%
6.1101	Labor & Indust Rel.	69	80%	3%	17%
6.0400	Business Admin	284	79%	0%	13%
25.0100	Librarianship	61	79%	2%	10%
13.0401	Educational Leadership	144	78%	3%	9%
11.0401	Computer systems	9	78%	0%	22%
9.0201	Advertising	9	78%	0%	11%
1.0103	Agricul Econ	13	77%	23%	0%
45.0700	Geography	13	77%	8%	8%
	Employment Rates 51% to 75%				
19.0403	Family Econ & Mgt	4	75%	25%	0%
19.0754	Child Development	8	75%	25%	0%
9.0101	Visually Impaired	24	75%	21%	4%
13.1316	Science Ed	8	75%	13%	25%
3.0501	Forestry	16	75%	13%	13%
13.0406	Coll & Univ Admin	12	75%	8%	17%
50.0700	Art	16	75%	6%	13%
4.0701	Urban Planning	12	75%	0%	17%
40.0600	Geology	19	74%	11%	16%
13.1009	Mobility Specialist	19	74%	0%	21%
13.1315	Sec Reading	64	73%	3%	13%
13.1012	Speech Impaired	22	73%	0%	14%
13.1202	Elem. Ed	139	73%	1%	4%
11.0100	Computer Science	25	72%	0%	28%
19.0301	Family Comm Services	10	70%	30%	0%
44.0400	Development Admin	53	70%	2%	26%
14.0701	Chemical Eng	23	70%	26%	4%
40.0500	Chemistry	13	69%	31%	0%
14.0801	Civil Eng	29	69%	31%	0%
13.1314	Physical Education	54	69%	7%	20%
13.1101	Counseling	181	68%	7%	13%
14.0901	Computer Science	27	67%	26%	7%
50.0903	Music	21	67%	24%	10%
16.0905	Spanish Sec Sch Tchg.	9	67%	22%	0%
13.1203	Junior High Ed.	6	67%	0%	17%
8.0703	Management Intent	18	67%	0%	33%
50.0501	Theatre	15	67%	0%	20%
13.0801	Educ Psychology	26	65%	15%	15%
50.0900	Music	17	65%	0%	6%

Cip Number	Curriculum Area	Number * Responding	Percent Employed Full Time	Percent in Grad School	Percent Unemployed
14.1001	Elec and Comp. Eng	30	63%	20%	17%
31.0301	Park & Rec Res	8	63%	38%	0%
45.0800	History	10	60%	20%	10%
2.0402	Crop & Soil Science	12	58%	42%	0%
45.0200	Anthropology	14	57%	43%	0%
14.2001	Metallurgical Eng	7	57%	14%	29%
19.0701	Health Ed.	7	57%	0%	14%
26.0301	Botany	9	56%	33%	11%
23.0801	Pre Architecture	11	55%	18%	27%
		Employment Rates 26% to 50%			
27.0301	Applied Mathematics	8	50%	50%	0%
2.0403	Horticulture	10	50%	50%	0%
16.0901	French Sec Sch Tchg.	8	50%	50%	0%
26.0201	Biophysics	12	50%	42%	8%
42.0100	Psychology	64	50%	39%	11%
13.1399	Vocational Ed	6	50%	0%	50%
19.0101	Home Economics	22	50%	0%	32%
23.0100	English	49	49%	29%	14%
13.1201	Early Childhood Ed.	11	45%	0%	36%
6.0201	Accounting	11	45%	0%	36%
2.0301	Food Science	7	43%	57%	0%
23.0500	Creative Writing	7	43%	29%	0%
13.1401	Eng as a 2nd Lang.	7	43%	0%	29%
40.0800	Physics	22	41%	36%	18%
26.0100	Biology	22	41%	23%	18%
45.1100	Sociology	10	40%	50%	10%
19.0704	Family Studies	5	40%	40%	20%
2.0209	Poultry Science	5	40%	20%	40%
27.0100	Mathematics	25	36%	32%	32%
		Employment Rates 0% to 25%			
27.0500	Statistics	16	25%	38%	38%
45.1000	Political Science	16	25%	19%	56%
2.0201	Animal Science	5	20%	80%	0%
13.0407	Comm. Coll Teaching	10	20%	0%	80%
45.0600	Economics	35	11%	40%	49%
26.0706	Physiology	5	0%	100%	0%
6.1300	Operations Research	9	0%	11%	89%

Table 10.
Doctoral Degrees Conferred Compared to Graduates Reported and Responding By Participating Institutions For Major Curriculum Areas, 1984-85

CIP	Curriculum Area	Degrees Conferred Public	Degrees Conferred Private	Total * Degrees Conferred	Number ** of Grads Reported	Percent of Total	Number of Grads Responding	Percent of Total	Percent of Reported
1	Agribusiness	18	0	18	11	61%	10	56%	91%
2	Agricultural Sciences	24	0	24	23	96%	21	88%	91%
3	Renewable Natural Resources	17	0	17	16	94%	14	82%	88%
4	Architecture	2	0	2		0%	0	0%	0%
5	Area & Ethnic Studies	0	0	0			0		0%
6	Business & Management	9	0	9	19	211%	5	56%	26%
8	Marketing & Distribution	0	0	0	1	0%	0	0%	0%
9	Communications	7	0	7	7	100%	7	100%	100%
11	Computer Sciences	3	0	3	4	133%	2	67%	50%
13	Education	237	0	237	652	275%	235	99%	36%
14	Engineering	97	0	97	19	20%	15	15%	79%
16	Foreign Languages	5	0	5	1	20%	0	0%	0%
18	Health Sciences	13	0	13	965	7423%	495	3808%	51%
19	Home Economics	7	0	7	11	157%	7	100%	64%
22	Law	1	0	1		0%	0	0%	0%
23	Letters	23	2	25		0%	0	0%	0%
24	Liberal Studies	1	0	1		0%	0	0%	0%
25	Library Sciences	2	0	2		0%	0	0%	0%
26	Life Sciences	86	0	86	93	108%	70	81%	75%
27	Mathematics	11	0	11	8	73%	8	73%	100%
30	Interdisciplinary Studies	3	0	3		0%	0	0%	0%
38	Philosophy & Religion	2	0	2		0%	0	0%	0%
39	Theology	0	2	2		0%	0	0%	0%
40	Physical Sciences	62	0	62	2	3%	1	2%	50%
42	Psychology	54	9	63		0%	0	0%	0%
44	Public Affairs	0	0	0	1		1		100%
45	Social Sciences	52	0	52	36	69%	30	58%	83%
50	Visual & Performing Arts	13	0	13	1	8%	0	0%	0%
	TOTAL	749	13	762	1870	245%	921	121%	49%

* Data from Michigan Department of Education

** Data from Institutions Responding to this Survey

Table 11.
Placement Results for 1984-85 Doctoral Graduates of Selected Michigan Colleges and Universities by Curriculum Areas*

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
	Agricultural Studies						
1.0103	Agricultural Economics	10	100%	90%	10%	0%	0%
2.0201	Animal Science	1	100%	100%	0%	0%	0%
2.0206	Dairy Science	3	100%	0%	100%	0%	0%
2.0209	Poultry Science	1	100%	100%	0%	0%	0%
2.0301	Food Science	5	80%	100%	0%	20%	0%
2.0402	Crop & Soil Science	6	67%	100%	0%	17%	17%
2.0403	Horticulture	5	100%	80%	20%	0%	0%
3.0101	Resource Development	2	100%	100%	0%	0%	0%
3.0501	Forestry	5	100%	80%	20%	0%	0%
3.0601	Fish & Wildlife	7	86%	100%	0%	14%	0%
	Business						
6.0201	Accounting	1	100%	100%	0%	0%	0%
6.0301	Financial Admin	2	100%	100%	0%	0%	0%
6.0403	Product & Op Mgt.	1	100%	100%	0%	0%	0%
6.0601	Personnel Human Rels	1	100%	100%	0%	0%	0%
	Communications						
9.0101	Communications	3	100%	100%	0%	0%	0%
9.9999	Comm A & S Mass Media	4	100%	100%	0%	0%	0%
	Computer Science						
11.0101	Computer Science	2	100%	100%	0%	0%	0%
	Education						
13.0501	Educational Media	106	98%	64%	36%	2%	0%
13.0603	Ed. Stats & Res.	108	98%	65%	35%	2%	0%
13.0604	Meas Eval & Res Design	1	100%	100%	0%	0%	0%
13.1202	Elementary Ed.	3	67%	100%	0%	33%	0%
13.1303	Bus & Distr Educ	1	100%	100%	0%	0%	0%
13.1309	Educ Systems Devel	8	88%	71%	29%	0%	13%
13.1312	Music Education	1	100%	100%	0%	0%	0%
13.1314	Physical Education	3	67%	100%	0%	0%	33%
13.1319	Vocational Ed.	2	100%	100%	0%	0%	0%
13.9999	Sociology Ed.	2	100%	100%	0%	0%	0%

*"Other" catagory which includes foreign students returning home, part-time employment, and unemployed not seeking work accounts for the remaining percentage after accounting for employed full-time, unemployed and graduate school. Several schools did not know where their graduates were working which accounts for the missing percentages with regards to employed in Michigan and in other states.

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
	Engineering						
14.0701	Chemical Eng.	6	83%	80%	20%	17%	0%
14.0901	Computer Science	1	100%	100%	0%	0%	0%
14.2001	Metallurgy	5	100%	80%	20%	0%	0%
14.2701	Systems Science	3	100%	67%	33%	0%	0%
	Health Sciences						
18.0199	Audiology & Speech	99	98%	63%	37%	2%	0%
18.1001	Human Medicine	88	100%	63%	38%	0%	0%
18.1099	Medicine Other	99	98%	63%	37%	2%	0%
18.1105	Nursing	1	0%	0%	0%	0%	0%
18.1200	Optometry	39	95%	81%	19%	5%	0%
18.1301	Osteopathic Med	118	100%	91%	9%	0%	0%
18.2401	Veterinary Medicine	51	86%	68%	32%	12%	2%
	Home Economics						
19.0503	Nutritional Sciences	5	100%	100%	0%	0%	0%
19.0701	Family Ecology	2	50%	100%	0%	50%	0%
	Life Sciences						
26.0201	Biochemistry	16	100%	94%	6%	0%	0%
26.0301	Botany	12	83%	90%	10%	0%	17%
26.0501	Microbio & Public Hlth	2	100%	100%	0%	0%	0%
26.0501	Microbiology	4	100%	75%	25%	0%	0%
26.0601	Medicine	4	100%	50%	50%	0%	0%
26.0608	Psychology	8	88%	100%	0%	13%	0%
26.0608	Neurosci-Zoology	1	100%	0%	100%	0%	0%
26.0612	Envir Tox Fish & Wildl	1	0%	0%	0%	100%	0%
26.0612	Food Science	1	100%	100%	0%	0%	0%
26.0612	Poultry Science	2	100%	100%	0%	0%	0%
26.0701	Zoology	2	50%	100%	0%	50%	0%
26.0702	Entomology	2	100%	100%	0%	0%	0%
26.0703	Genetics	1	100%	100%	0%	0%	0%
26.0704	Pathology	4	100%	100%	0%	0%	0%
26.0705	Pharmacology	8	75%	100%	0%	0%	25%
26.0706	Physiology	2	50%	100%	0%	0%	50%
	Mathematics						
27.0101	Mathematics	4	100%	75%	25%	0%	0%
27.0301	Applied Mathematics	1	100%	100%	0%	0%	0%
27.0501	Statistics	3	100%	100%	0%	0%	0%

Cip Number	Curriculum Area	Number Responding	Percent Employed Full Time	Percent Employed in MI	Percent Employed in Other States	Percent Unemployed	Percent in Graduate School
	Physical Sciences						
40.0601	Geology	1	0%	0%	0%	100%	0%
	Political Science						
44.0400	Political Science	1	100%	100%	0%	0%	0%
	Social Sciences						
45.0101	Criminal Justice	3	100%	100%	0%	0%	0%
45.0701	Geography	4	50%	100%	0%	25%	25%
45.1001	Political Science	23	87%	95%	5%	4%	9%

Table 12.
Average Starting Salary for Doctoral Graduates of Selected Michigan Colleges and Universities by Curriculum Areas, 1984-85

Cip Number	Curriculum Area	Number Reporting Salaries	Average Monthly Starting Salary	Average Yearly Starting Salary
	Agricultural Studies			
1.0103	Agricultural Economics	5	$2,763	$33,156
2.0201	Animal Science	1	$2,500	$30,000
2.0301	Food Science	3	$3,096	$37,152
2.0402	Crop & Soil Science	3	$3,097	$37,164
2.0403	Horticulture	2	$2,583	$30,996
3.0101	Resource Development	2	$2,086	$25,032
3.0501	Forestry	3	$2,194	$26,328
3.0601	Fish & Wildlife	3	$2,556	$30,672
	Business			
6.0201	Accounting	1	$3,101	$37,212
6.0301	Financial Admin	2	$1,163	$13,955
	Communications			
9.0101	Communications	2	$3,146	$37,752
9.9999	Comm A & S Mass Media	3	$1,833	$21,996
	Education			
13.0501	Educational Media	46	$1,894	$22,724
13.0603	Ed. Stats & Res.	48	$2,661	$31,934
13.1202	Elementary Ed.	1	$1,500	$18,000
13.1303	Bus & Distr Educ	1	$2,667	$32,004
13.1309	Educ Systems Devel	3	$2,845	$34,140
13.1312	Music Education	1	$1,600	$19,200
13.1314	Physical Education	2	$1,458	$17,496
13.9999	Sociology Ed.	1	$2,000	$24,000
	Engineering			
14.0701	Chemical Eng.	4	$2,798	$33,576
14.2001	Metallurgy	2	$1,292	$15,498
14.2701	Systems Science	1	$293	$3,516
	Health Sciences			
18.0199	Audiology & Speech	42	$661	$7,935
18.1001	Human Medicine	2	$1,750	$21,000
18.1099	Medicine Other	42	$1,323	$15,871

Cip Number	Curriculum Area	Number Reporting Salaries	Average Monthly Starting Salary	Average Yearly Starting Salary
18.1105	Nursing	1	$1,917	$23,004
18.1200	Optometry	2	$875	$10,501
18.2401	Veterinary Medicine	37	$1,785	$21,420
	Home Economics			
19.0503	Nutritional Sciences	1	$1,459	$17,502
19.0701	Family Ecology	1	$2,000	$24,000
	Biology			
26.0201	Biochemistry	6	$2,854	$34,248
26.0301	Botany	5	$2,160	$25,920
26.0501	Microbiology	1	$1,500	$18,000
26.0601	Medicine	3	$1,694	$20,328
26.0608	Psychology	3	$1,278	$15,336
26.0608	Neurosci-Zoology	1	$1,333	$15,996
26.0612	Food Science	1	$2,500	$30,000
26.0612	Poultry Science	2	$2,200	$26,400
26.0702	Entomology	1	$2,198	$26,376
26.0704	Pathology	3	$3,361	$40,332
26.0705	Pharmacology	2	$1,032	$12,378
	Mathematics			
27.0101	Mathematics	4	$2,897	$34,764
27.0301	Applied Mathematics	1	$2,000	$24,000
27.0501	Statistics	2	$1,958	$23,496
	Social Sciences			
45.0101	Criminal Justice	2	$2,458	$29,496
45.1001	Political Science	11	$2,587	$31,044